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ABSTRACT

In this follow-up study, an examination of the level of awareness of and knowledge about the Emergency Medical Services System in Region J of North Carolina was made to detect any changes from the earlier survey which might be due to a six-month campaign publicizing the system. To further pinpoint the channels through which the citizens of the region received this information, selected questions were added to the research instrument. The sampling methodology was similar to that of the initial survey, and, though the timing of the follow-up survey was poor (conducted in the summer months), the tabulated results are statistically compared to those from the earlier study. Further analysis discusses the significant cross-tabulations of demographic factors with responses from selected questions from the survey instrument. Appendices include the instructions to the interviewers, the survey instrument, a printout of the Statistical Package for the Social Sciences for the analysis, and extensions of percentages to include the number of people in Region J. (JD)

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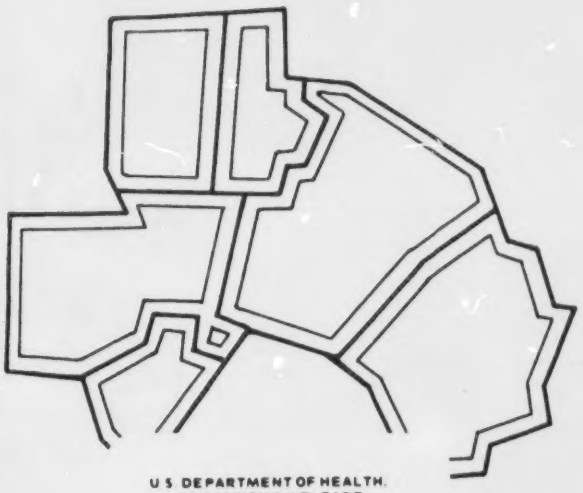

REGION J

Public Education Project

Emergency Medical Services

U S DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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Final Survey Report

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IR006734

INTRODUCTION

This is a report on the evaluation component of a year-long Public Education Project implemented in Region J of North Carolina. This final survey was the last major task in a systematic approach to a public education and information project more fully described in the Final Project Report.[1]

The sampling methodology was identical to the one used in the initial survey with the exception that all counties were sampled using the master technique instead of, as in the first survey, the Orange County data collected on a slightly different basis.[2] The representative sample drawn allowed for a careful generalization of the survey results to the whole of the population of Region J and thus provided a measure of the total gains or losses of information about Emergency Medical Services within the region. The results of this survey are reported in terms of percentages to make this generalization simpler for the reader, and whenever practical, these percentages are extended to indicate the numbers of individuals that were represented within the region.

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[1]Hugh Huff and Norma Caltagirone, Final Project Report, a report of North Carolina's Region J Public Education Project for Emergency Medical Services, 1976.

[2]For further explanation, see Hugh Huff and Norma Caltagirone, Initial Survey Report, Region J Public Education Project for Emergency Medical Services, 1976, p. 3.

LIMITATIONS

The timing of this final survey was poor. Because of the delay in the completion of the initial survey, the tasks which followed were also delayed, with the exception of the final survey, which could not be delayed because of the original time frame for the entire Project. More specifically, the original survey was not completed until two months after its projected deadline; this produced a delay of two months in the design and production of materials, which meant that instead of the providers having materials on the first of November, they obtained them during the first part of January. In actuality, a full range of materials for presentations was not available until the first two weeks in May of 1976. The final survey was then scheduled for the first of July 1976, which permitted scarcely two months of opportunity for full scale presentations. So, instead of nine months of limited presentations and six months of full scale presentations as originally projected, the Project, realistically, can only indicate that partial presentations were possible for six months and full scale presentations for two. It would therefore seem that the study was premature in its effort to capture a true measure of the program effectiveness. It must also be noted that, while the Project Office is closed, the conduct of educational activities and the use of the materials developed by the Project will continue.

Additionally, it must be pointed out that the summer period is a poor time to conduct a survey in North Carolina. The citizens

use this period, especially around the fourth of July, for their annual vacations, and during this particular time of year, tobacco farming seriously decreased the number of volunteers who were available for conducting surveys.

Finally, it is necessary to note that, for the most part, this survey was conducted with volunteers who had little experience in conducting interviews. It is with caution then that we look at the results of the survey, since the interviewers were asked to code some of the answers while they were doing the survey, and additionally, the questions could have received different interpretations depending on who was asking the questions and coding the responses.

It is therefore suggested, in light of the foregoing limitations, that the second survey measured the effectiveness of the start of a public education program and that the gains in information and knowledge should be expected to be minimal at this time. However, if another survey were to be conducted during the spring of 1977, further gains would be noted. Probably the most important measure which could be derived from the present study is the extent to which the new materials developed by the Project Office have been introduced to the citizens of Region J and the communication channels through which the message most often reached the public. It is these areas, then, which will be mentioned in the section entitled "Conclusions."

SAMPLING METHODOLOGY

A modified random area sampling procedure was used. Census data is compiled by Block Groups within tracts in urban areas and by Enumeration Districts in the rural areas. To ensure the most representative sample, a sampling was taken from each Enumeration District and each Block Group in the region. The number of interviews within each was based on the percent of the region's total population contained within that area. Additionally, Block Group population was weighted to one-half the total amount to expand the representation in the rural areas. For a more complete discussion of the sampling methodology, see the Initial Survey Report.[3]

The number of surveys for each county is shown in Table 1. The total number of usable questionnaires returned to the Project Office was 1018. By plotting the points where the missing interviews (176) were located, it was determined that the scattering was essentially not biased toward any one area and therefore the 1018 usable surveys provide a representative sample of the region. Due to time constraints placed on the staff by the one year length of the project, additional time to devote to the collection of the non-returned questionnaires was not available.

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[3]Hugh Huff and Norma Caltagirone, Initial Survey Report, Region J Public Education Project for Emergency Medical Services, pp. 1-2.

TABLE 1

NUMBER OF INTERVIEWS BY COUNTY

County ID Number	County Name	NUMBER OF INTERVIEWS: Per ED[1]	Per BG[2]	Total ED's & BG's	Actually Completed	Deficient
37	Chatham	83	0	83	75	8
63	Durham	74	167	241	221	20
101	Johnston	169	0	169	142	27
105	Lee	83	0	83	83	0
135	Orange	150	0	150	134	16
183	Wake	241	227	468	363	105
		TOTALS:		1194*	1018	176

[1]ED = Enumeration District

[2]BG = Block Group

*The loss of six interviews was due to rounding the number of interviews in each area to the nearest whole number.

Estimators

Using Blalock's formula for the estimators[4] as follows:

$$P_s \pm \begin{bmatrix} 1.96 \\ 2.54 \end{bmatrix} \sqrt{\frac{p_s q_s}{N}}$$

and taking the most conservative proportions, i.e., .50 as both p and q, we have a confidence level at the .05 level of .50 $\pm$ .031 and an interval of .50 $\pm$ .040. This is a conservative estimate giving the greatest variance that could be expected. When the proportions, i.e., p and q, are more widely divergent, the confidence interval becomes smaller. It is also noteworthy that by using an analysis which stratifies the sample, the confidence interval will be reduced even further.

INTERVIEWER RECRUITMENT

Due to the problems encountered on the initial survey with county coordinators and the questionnaire distribution system,[5] the Project Staff personally delivered all questionnaires with the intent of obtaining a more timely completion of the second survey. The questionnaires were delivered to a representative from each of the rescue squads and ambulance services, but not necessarily to the person who would do them. The staff's intent was only partially realized. The interviews were put into packets

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[4]Hubert M. Blalock, Jr., Social Statistics (New York: McGraw-Hill, 1972, 2nd edition).

[5]See Huff and Caltagirone, Op.Cit., pp. 6-8.

roughly conforming to a rescue squad's or ambulance services' coverage area and then distributed with the Interviewer Instruction Sheet, a copy of which is included as Part 1 of Appendix A to this report, and with copies of the three brochures necessary for question 16. A copy of the survey instrument is included as Part 2 to Appendix A. Of the 25 major providers in Region J, only four (16%) were unable to complete even a portion of their interviews. These were South Orange Rescue Squad, Farina Rescue Squad, East Chatham Rescue Squad, and Goldston Rescue Squad. Additionally, volunteers from the Wake County Red Cross were trained to complete interviews in the greater Raleigh area since there was a large number of interviews there and only a limited volunteer response could be expected from Raleigh Rescue personnel due to the nature of their organization.

Initially, two part-time interviewers were hired and trained to supplement the volunteers in Raleigh and Durham, but as the survey progressed, it became apparent that additional help would be needed. Two professional interviewers were hired to complete the interviews originally allotted to the East Chatham Rescue Squad, Goldston Rescue Squad, and the Farina Rescue Squad, as well as to finish several groups of interviews in the greater Raleigh area which were incomplete after the initial return.

The initial distribution of the survey packets to all rescue squads and ambulance services was completed by July 1, 1976 and a deadline of July 9, 1976 was set for the return of the questionnaires. The reason for this deadline was twofold;

first, the initial time frame for the Project indicated that it was to be completed on July 31, 1976 and this survey deadline of July 9 was necessary to ensure the coding of the questionnaires by the Project Staff and preparation of the data to make it machine readable; secondly, the deadline was set to express the urgency of the survey and to ensure its immediate completion rather than fostering procrastination with a completion time set too far in the future. This request was met in a few instances by the quick and timely return of the completed questionnaires. However, in most cases, immediate response did not occur, and in the four instances mentioned earlier, no response was forthcoming. The bulk of the questionnaires, however, was returned by August 20, 1976 and the data preparation for the 1018 usable questionnaires was completed by August 25. It was at this time that the analysis of the data could begin. It is evident, however, that the return of the data was approximately six weeks after the deadline and nearly three weeks after the end of the initial time frame for the Project. This means that the final survey required two months from the initial distribution of the questionnaires until a sufficient number of completed questionnaires were returned for a meaningful analyis to be performed. This time span is less than one-half of the time that was required for the initial survey to reach the same status and, therefore, it can be concluded that distribution to the individual squads and ambulance services by the Project Staff was a more efficient method for the survey delivery. It is hypothesized that even

more time could have been saved if it had been possible to further shorten the distribution chain; i.e., if the Project Staff could have delivered the questionnaires and instructions to the volunteers who were actually going to do the survey.

Conducting the surveys with a volunteer organization required a large amount of coordination and the ability to deal with a significant amount of frustration on the Staff's part. However, on a cost analysis basis, this method of conducting a survey is clearly the most economical. An estimate from the Research Triangle Institute for the conducting of the original survey was priced in the neighborhood of $30,000 and had a time frame of approximately six months. It must be pointed out that while they could have done the survey on what could be argued is a more rigorous basis, two surveys done in this fashion would have used up the entire time frame for the original Project and nearly all of the Project's available funds.

Results of the Data Gathered

Out of 1194 interviews, 1018 were usable questionnaires. This figure for usable questionnaires does not include the number that were returned blank for whatever reason, nor approximately 40 questionnaires which were reported completed but never returned to the Project Office, nor the remaining ones which are listed as missing. The Project Office kept records of all questionnaires that were distributed and returned, and these records enabled the accurate plotting of the questionnaires which

were labeled unusable. By examining those questionnaires which were outstanding, a determination that the missing surveys did not display a systematic bias could be made. Therefore, it can be assumed that a representative sample of Region J was obtained and that the results can be applied to the region as a whole.

The tabulations of these questionnaires on an item-by-item basis with comparisons to the similar items on the initial survey appear in the next section entitled "Survey Measures" and the Statistical Package for the Social Sciences (SPSS) for the analysis is included as Appendix B of this report.

SURVEY MEASURES

In this follow-up study, an examination of the level of awareness of and knowledge about the Emergency Medical Services System in Region J of North Carolina was made with an interest in detecting any changes in those areas from the survey conducted in the fall of 1975. In an effort to further pinpoint the channels through which the citizens of the region received this information, selected questions were added to the survey instrument to identify the sources of information and the awareness of the public education materials that were conceptualized, designed, and produced by the Project Office to satisfy the educational needs and objectives identified in the original survey. Since these

questions have no antecedents in the initial survey, their reporting will be held until the last portion of this section. Additionally, it is useful to examine certain demographic characteristics of the sample to determine if the samples for the two surveys are comparable and to compare these characteristics with the state of North Carolina as a whole to estimate the representativeness of the sample. Additionally, these characteristics will be used to determine if they have an effect on the knowledge and awareness of the Emergency Medical Services System, and further, to determine if they affect the communication channels through which the citizens of Region J receive EMS information. The demographic indicators were as follows.

Race

The categories were (1) White; (2) Black; (3) Other; (0) Missing Responses.[6]

Results:	This Study	Initial Survey	Overall N.C.[7]
White	74.6%	76.1%	76.8%
Black	24.7%	23.5%	22.2%
Other	0.7%	0.4%	1.0%
Missing	0.3%	0.6%	---

[6]In most cases, a zero code (0) indicates the number of usable questionnaires which had no response marked for a particular question. The percentages given for all other codes are adjusted figures which exclude the missing responses from the total number of responses when the percentages were computed.

[7]Steahr, Thomas E. North Carolina's Changing Population. Carolina Population Center; Chapel Hill, N.C., 1973.

These figures indicate that the sample used in the survey matched the race variable statewide very closely and that the two samples drawn for the survey were comparable on the variable of race.

Sex

The categories used were the traditional ones: (1) Male; (2) Female; (0) Missing.

Results:	This Study	Initial Survey	Overall N.C.
Male	42.3%	43.7%	49%
Female	57.7%	56.3%	51%
Missing	0.6%	1.6%	--

The difference between the survey samples and the whole of North Carolina percentages reflect the fact that regardless of the time of day the interview was conducted, the female member of the household was more likely to be at home than was the male. The two survey samples are almost identical in this respect and yield comparable samples on this sex basis.

Area

The following coding was used: (1) City; (2) Rural-Farm; (3) Rural Non-Farm; (0) Missing. The difference between Rural Farm and Rural Non-Farm was based on the principal occupation of the head of household.

Results:	This Study	Initial Survey	Overall N.C.
City	54.9%	53.6%	45.0%
Rural Farm	22.9%	17.8%	
Rural Non-Farm	22.2%	28.4%	55.0%
Missing	1.8%	0.6%	

The divergence here points up the greater urbanization of Region J as compared to the state as a whole.

Occupation

Coding: (0) Military; (1) Manual Worker; (2) Clerical Worker; (3) White Collar/Professional; (4) Housewife; (5) Unemployed; (6) Retired; (7) Self-employed/Farmer; (8) Other; (9) Blank.

Results:	This Study	Initial Survey
Military	2.0%	.5%
Manual Worker	14.7%	16.8%
Clerical Worker	9.3%	14.1%
White Collar/Professional	13.4%	14.4%
Housewife	25.3%	25.2%
Unemployed	4.2%	5.0%
Retired	11.5%	8.1%
Self-employed/Farmer	9.0%	6.5%
Other	10.6%	4.7%
Blank	1.8%	4.7%

Comparable figures for the state as a whole were not available in a convenient form. While there is some difference

in some of the categories, the more basic and larger categories such as White Collar/Professional, Housewife, Manual Worker, remain unchanged in both samples.

Age

Coding: (1) Under 35; (2) 35 through 50; (3) Over 50; (0) Missing.

Results:	This Study	Initial Survey
Under 35	36.4%	30.9%
35 - 50	34.2%	40.9%
Over 50	29.5%	28.9%
Missing	1.7%	1.5%

Figures for the state as a whole were not collected in these categories, however, these are very close to the state figures in roughly comparable age groups and show a sampling of each of the age groups. It is clear from the above figures that even though a slightly younger group was sampled in this study than in the initial survey, the samples are comparable on the basis of age.

Education

Coding: (1) Elementary School; (2) Some High School; (3) High School Graduate; (4) Some Higher Education; (5) College Graduate; (0) Missing.

Results:	This Study	Initial Survey
Elementary	12.8%	11.6%
Some High School	23.7%	21.6%
High School Graduate	31.6%	31.7%
Some Higher Education	16.5%	16.9%
College Graduate	15.5%	18.2%
Missing	2.9%	1.9%

The distribution of educational levels shows a good sampling of all levels. There is no significant difference between samples on the basis of education. In the analysis of the initial survey data, the education variable was the one shown accounting for the greatest variance in the knowledge and awareness areas. Therefore, it is clear that the sampling methodology produced very comparable samples which can be used to generalize to the whole of the population of Region J.

FINDINGS

In this section of the report, a specific look is taken at those questions which sample the knowledge of the respondents concerning: 1) what emergency medical service is; 2) what services are available; 3) how to gain access to the emergency medical services system; 4) the conditions for which emergency medical service is available; and 5) which of the communication channels and materials produced by the Project were available to and used by the citizens of Region J.

Those questions which were common to both survey instruments will be compared with each other and the differences indicated. In dealing with the communication channels and materials produced, the percentages of the sample answering each question in a particular way will be noted and these percentages extended to indicate the number of people in Region J represented as based on the 1970 census data.[8]

1. Is there a telephone in your home?

Responses:	This Study	Initial Survey	Difference
Yes	91.1%	93.0%	-1.9%
No	8.9%	7.0%	+1.9%
Missing	.9%	.9%	0 %

4. Have you heard about the EMS System for your county?

Responses:	This Study	Initial Survey	Difference
Yes	57.9%	56.6%	+1.3%
No	42.1%	43.4%	-1.3%
Missing	4.3%	15.0%	-10.7%

[8]For other questions, an interested reader can refer to Appendix C to obtain an extension of percentages.

5. Please tell me briefly what the emergency system does. (The following percentages indicate the number of people who mentioned the element of EMS listed below.)

Responses:	This Study	Initial Survey	Difference
Transportation	53.6%	57.1%	- 3.5%
Telecommunications	8.1%	10.2%	- 2.1%
Trained Nurses & Physicians at Hospital	14.0%	14.6%	- 0.6%
Trained EMT's	28.3%	20.6%	+ 7.7%
Emergency Room at Hospital	27.1%	25.3%	+ 1.8%

6. Who would you call in case of a medical emergency?

Responses:	This Study	Initial Survey	Difference
Rescue Squad	52.8%	53.6%	- 0.8%
Private Physician	13.4%	18.9%	- 5.5%
Police Department	10.9%	7.7%	+ 3.2%
Hospital	6.9%	6.3%	+ 0.6%
Family or Friends	5.9%	6.3%	- 0.4%
EMS System	5.8%	*	*
Don't Know	4.3%	7.2%	- 2.9%
Missing	21.7%**	14.0%**	+ 7.7

* This choice was not available on Initial Survey.

**These missing responses were excluded from the total when computing the other percentages.

For questions concerning actual telephone numbers, the responses were modified to permit a more meaningful analysis. For these questions, the interviewer was asked to write down the telephone number that the respondent gave to him. This number was keypunched completely for analysis. This analysis produced a vast array of numbers which were difficult to interpret. In order to make the responses easier to understand, the following recoding was done. If the number was the correct one for EMS (as established by the providers, the Region J EMS Council, and the Coordinator), it was coded as (1). Respondents who said they did not know the number were given a code of (3). Those respondents who gave a number that was not one of the recognized emergency numbers were considered as having given a wrong number and were assigned a code of (4). Those respondents who did not answer this question were given a code of (0).

7. What is the telephone number you would call to get trained Emergency Medical Services?

Responses:	This Study	Initial Survey	Difference
Correct Number	27.8%	20.9%	+6.9%
Don't Know	64.7%	55.5%	+9.2%
Wrong Number	7.5%	8.1%	-0.6%
No Response	5.8%	6.4%	-0.6%

8. Do you keep the telephone number for Emergency Medical Services in a prominent place on or near your telephone?

Responses:	This Study	Initial Survey	Difference
Yes	53.4%	50.2%	+ 3.2%
No	41.8%	30.6%	+11.2%
No Response	4.7%	19.2%	-14.5%

Please tell me what the number is.

Responses:	This Study	Initial Survey	Difference
Correct Number	31.6%	23.3%	+ 8.3%
Don't Know	.02%	*	*
Wrong Number	7.5%	9.7%	- 2.2%
Did Not Have Number	60.7%	67.0%	- 6.3%

If the respondents answered that they did keep their Emergency phone number in a prominent place on or near their phone, they were then asked:

How did you get this number?

Responses:	This Study	(Question was not asked on Initial Survey)
Telephone Book	44.2%	
Promotional Item	23.4%	
Rescue Squad	10.2%	
Relatives or Friends	5.5%	
Other means	5.9%	
Don't Know	10.9%	
Missing Responses	47.9%**	

*This choice was not available on Initial Survey.

**These missing cases were excluded from the total figure when computing the percentage for the other answers.

9. Does everyone in your home, including any children over age 6, know how to call for emergency medical services?

Responses:	This Study	Initial Survey	Difference
Yes	64.7%	68.7%	- 4.0%
No	16.5%	22.0%	- 5.5%
Don't Know	18.8%	9.4%	+ 9.4%
Missing	3.6%**	3.7%**	- 0.1%

10. Have you and your family discussed what to do in case of a medical emergency?

Responses:	This Study	Initial Survey	Difference
Yes	46.2%	47.6%	- 1.4%
No	53.8%	52.4%	+ 1.4%
Missing	2.8%**	20.0%	-17.2%

11. If you were to call for emergency medical service, what information do you think you should give to whomever answered the telephone? (In reporting the results of this question, the percentage refers to the respondents who mentioned the particular item listed. See next page.)

**These missing cases were excluded from the total figure when computing the percentage for the other answers.

Responses:	This Study	Initial Survey	Difference
Name of Person Calling	53.4%	48.5%	+ 4.9%
Telephone Number You're At	14.8%	13.6%	+ 1.2%
Nature of Emergency	76.1%	69.4%	+ 6.7%
Site of Emergency	57.9%	46.8%	+11.1%
Directions to Site	45.8%	52.7%	- 6.9%
Number of Injured and Condition	20.6%	27.3%	- 6.7%
Any Special Circumstances	6.4%	11.8%	- 5.4%
Don't Know	5.9%	4.2%	+ 1.7%

12. The respondent was asked to give directions to his/her home from a central community point. The interviewer was requested to determine if the directions were clear or unclear.

Responses:	This Study	Initial Survey	Difference
Clear	84.5%	87.6%	- 3.1%
Unclear	15.5%	11.8%	+ 3.7%
Missing	4.7%	7.5%	- 2.8%

13. Is there a charge for emergency medical service in your community? (Because of differing local conditions regarding the costs for Emergency Medical Services, the responses to this question, even when broken down by individual counties, were difficult to interpret meaningfully. Therefore, the results are not reported.)

14. What do you think an emergency medical situation is?

(see next page for results)

Responses:	This Study	Initial Survey	Difference
Described life-threatening situations	85.7%	67.3%	+18.4%
Described non-life-threatening situations	3.6%	2.8%	+ 0.8%
Left blank or don't know	10.3%	28.3%	-18.0%
Misunderstood question	1.4%	1.8%	- 0.4%

15. What do you see as the greatest emergency medical need in your community? (The results for this question give the percentages for those respondents mentioning a particular item as the greatest need.)

Responses:	This Study	Initial Survey	Difference
More emergency equipment and money	35.9%	36.8%	- 0.9%
Closer hospitals and more doctors	37.5%	30.9%	+ 7.6%
More and/or better trained emergency personnel	12.4%	22.3%	- 9.9%
Better publicity and education	13.8%	15.5%	- 1.7%
Already adequate	19.5%	14.7%	+ 4.8%

The following three questions were not asked on the initial survey. They deal with the materials and methods developed during the Public Education Project. The percentage of the sample who mentioned a given response is given and the amount computed from the entire population of Region J is reported. Appendix C includes the extension of each percentage from 0.1% to 100% for the entire

population as well as the upper and lower population bounds for the .01 and .05 levels of confidence and the estimators for each percentage level as computed by the formula which was given on page 4 of this report.

2. In the last six months, have you heard or seen any information about Emergency Medical Services?

Responses:	Percentage of Sample	Number of People in Region J
Yes	59.3%	302,914
No	40.7%	207,902

3. If Yes, Where did you see or hear this?

Responses:	Percentage of Sample	Number of People in Region J
Television	43.6%	222,716
Radio	13.3%	67,939
Group Presentation	5.8%	29,627
Newspaper	18.8%	96,033
Brochures	9.1%	46,484
Posters	3.4%	17,367
Slide/Tape	1.7%	8,684
Bus Cards	.5%	2,554
From my children	8.1%	41,887

16. Have you seen any of these brochures before now? (Interviewer held up three brochures; percentages reported are for those respondents who answered "yes" to the respective brochure.)

Responses:	Percentage of Sample	Number of People in Region J
"E.M.T.'s Could Save YOUR Life"	18.6%	95,012
"Emergency Medical Services: Your Best Help in a Medical Emergency"	15.5%	79,176
"Be Prepared" Card	13.5%	68,960

County:	Percent Answering Yes:
Chatham	66.2%
Durham	49.8%
Johnston	52.1%
Lee	97.6%
Orange	50.0%
Wake	60.9%

Race also produced differing results on this question, with 62.8% of the whites answering yes as compared to 48.2% of the blacks. While 57.1% of the other categories answered yes to this question, the category was only 0.7% of the total sampled.

Sex had no effect on the answer to this question with 58.4% of the males and 59.9% of the females answering yes to the question.

As in the first study, the area of residence did provide for differing responses. Rural non-farm had the highest percentage with 68.5% answering yes in contrast to 59.6% of the rural farm and 56.0% of the city dwellers answering yes.

Age produced only small differences on this question, with 62.3% of those under 35 answering yes as compared to 62.4% of those in the 35 to 50 age bracket and 51.2% of those over 50 answering yes to this question.

Education, as in the initial survey, did prove to show a significant difference between categories, as indicated by the following table.

FURTHER ANALYSIS

Additional analysis of the data was conducted by checking for differences in knowledge of the EMS system, communication channels used, and awareness of the three brochures by whether or not the household had a telephone, and by the demographic indicators of county, race, sex, area of residence, age, and level of education. The following is a discussion of the more significant of these crosstabulations.

In the last six months, have you heard or seen any information about Emergency Medical Services?

Of those individuals who had telephones, 61.5% said yes to this question as opposed to 38.2% without phones who had heard or seen any information within the last six months. While these figures show a dramatic difference, it must be kept in mind that the percentage of households without phones accounts for only 8.9% of the total number of households surveyed. It must also be assumed that the absence of a telephone in the household is associated with another group of variables which would lead to the lack of information or knowledge about EMS.

In response to the same question, the responses broken down by county differ as shown in the following table.

Educational Level:	Percentage Answering Yes:
Elementary School	36.0%
Some High School	50.2%
High School Graduate	65.8%
Some Higher Education	67.3%
College Graduate	68.9%

With an increase in education, there is a steady increase in the number of individuals who said that they had heard about EMS within the last six months. While the materials developed by the Project could be given credit for a portion of this awareness, it must be assumed that individuals with more education actively seek new information about a variety of topics, with Emergency Medical Services probably being one of them.

If yes, ask:

Where did you see or hear this?

In an effort to determine the communication channels which were most used by each county, the following table was constructed. The percentages indicate the people from a particular county who mentioned the particular medium as having been one or ones where they saw or heard something about EMS.

COMMUNICATION METHOD:	COUNTY:					
	Chatham	Durham	Johnston	Lee	Orange	Wake
Television	48.0%	36.7%	28.2%	97.6%	15.7%	51.0%
Radio	16.0%	15.8%	14.8%	21.7%	3.7%	12.1%
Newspaper	9.3%	24.0%	24.6%	6.0%	14.9%	19.6%
Group Presentations	4.0%	4.5%	8.5%	6.0%	11.2%	3.9%
Brochures	12.0%	1.4%	9.2%	37.3%	6.0%	8.0%
Posters	1.3%	0.0%	12.0%	1.2%	3.0%	3.3%
Slide/Tape Presentations	2.7%	1.8%	2.1%	4.8%	0.0%	1.1%
Bus Cards	0.0%	0.9%	0.7%	0.0%	0.7%	0.3%
From my children	1.3%	5.0%	3.5%	51.8%	6.7%	3.6%

This last category was indicative of the number of presentations that were made in the schools and the information then brought home by the children.

Additionally, in order to obtain some measure of the pervasiveness of the EMS message in the media of a particular county, a combined score was constructed for each respondent by assigning 1 point for each separate medium mentioned. The following table gives the percentages which fall into each score category by county.

Score	Chatham	Durham	Johnston	Lee	Orange	Wake
0	37.3%	49.3%	46.5%	2.4%	53.0%	38.8%
1	40.0%	24.0%	25.4%	22.9%	34.3%	36.4%
2	18.7%	17.2%	14.8%	37.3%	10.4%	14.0%
3	1.3%	6.8%	7.7%	25.3%	2.2%	7.7%
4 or more	2.6%	2.8%	5.6%	12.0%	0.0%	3.1%

On the average, then, the majority of people in Region J had exposure to the EMS message through one or more mediums during the last six months.

(Interviewer should hold up the three brochures)

Have you seen any of these brochures before now?

On the Final Survey, the interviewers were asked to show the respondent copies of the three brochures developed and distributed by the Project Office to the rescue squads and asked the respondents to indicate which they had seen. The sight of the brochure was expected to stimulate the respondents' memory; therefore, in order to decrease any bias resulting from the prompting, this question was reserved for last. The following table gives the percentage by county of those people who recognized each brochure.

Brochure:	Chatham	Durham	Johnston	Lee	Orange	Wake
EMT's Could Save YOUR Life	14.9%	9.2%	27.8%	66.3%	12.9%	12.5%
Your Best Help in a Medical Emergency	1.4%	9.2%	23.7%	45.1%	12.4%	13.9%
Preparedness Card	0.0%	9.8%	14.1%	61.0%	5.4%	9.7%

It must be noted here that the brochures were ready for distribution at differing times with approximately one month between each distribution. Therefore, the figures do not necessarily represent the popularity of each brochure but indicate that they are still being distributed to the citizens of Region J by the rescue squads.

CONCLUSIONS

59.3% of the sample interviewed said that they had heard or seen something about Emergency Medical Services within the last six months. If we extend this to the population of Region J, it means that approximately 302,914 citizens of Region J heard at least one message about Emergency Medical Services. Additionally, when asked where they had seen or heard this information, 43.6% indicated that it was on television. This certainly has important implications for furthering a public education project of any kind. Television is known as a powerful medium and for a general message about EMS, it seems to be the most effective. Second in terms of the number of times it was mentioned is the category of newspapers, with 18.8% of the respondents answering in this way. If we extend that figure to the whole of Region J, it means that approximately 96,033 saw the EMS message in the newspapers of the region. Next in the ranking came radio with 13.3%, followed by brochures with 9.1% and then "From my children" with 8.1%. This last category points up a valuable medium for disseminating information to certain segments who might not get the information in any other way. The children were involved in a presentation at their schools and, either by direction or on their own initiative, took the important information home to their parents. Group presentations were mentioned 5.8% of the time, which extended indicates that approximately 29,627 people were involved in some sort of group presentation. Posters, the slide/tape shows, and bus cards were mentioned by 5.6% of the respondents.

As mentioned previously, the three brochures developed by the Project were held up for the final question on the survey and the respondents were asked which they had seen. It is interesting that the percentage increased in direct proportion to the time that the brochures had been available to the rescue squads and ambulance services for distribution. 18.6% of the sample said that they had seen the brochure entitled "E.M.T.'s Could Save YOUR Life!," 15.5% indicated that they had seen the brochure entitled "Emergency Medical Services: Your Best Help in a Medical Emergency," and 13.5% indicated that they had seen the Preparedness Card. This gives further weight to the notion expressed in the "Limitations" section that what was measured with this survey was the initial phase of a public education campaign. As time passes and the squads and county groups have more time to make presentations and distribute the brochures, these percentages should increase. It is fair, then, to conclude that the design, production, and distribution of a variety of materials to various media within the region did have an impact on the citizens of Region J and their awareness of the Emergency Medical Services System.

It is also appropriate to consider whether, through receiving this information, the citizens of Region J were able to learn anything additional about the Emergency Medical Services System. When asked to describe the Emergency Medical Services System to the interviewer, 7.7% more of the respondents mentioned trained Emergency Medical Technicians in the second survey than in the first, and 3.5% less mentioned transportation as one of the components of

the system. The existence of highly trained EMT's was stressed strongly in the materials developed by the Project and apparently some of that information lead to an increased awareness of EMT's. Additionally, the notion of the EMS System as a transport means was underplayed in the materials.

When asked "Who would you call in case of a medical emergency?", the response "rescue squad" decreased by 0.8% but the response "EMS System", which was not mentioned on the first survey, was given 5.8% of the time; on the same question, "private physician" was mentioned 5.5% fewer times and "family or friends" decreased slightly (0.4%). It seems then, from the response to this question, that there was a greater awareness of the Emergency Medical Services System as an entity that was to be called in a medical emergency.

In response to the question concerning what a medical emergency is, there was an 18.4% increase in the number of life-threatening situations which were offered as constituting an emergency. There was an 18.0% decrease in the number of respondents who said they "didn't know" what a medical emergency was. This seems very encouraging. In the final survey, 85.7% of the respondents interviewed described life-threatening situations as what they would call a medical emergency and only 10.3% indicated that they did not know. Since this was almost completely the focus of the first brochure and was touched upon in the majority of the other materials, it can be concluded that some learning took place in this area.

It is also worthwhile to point out that 6.9% more people than in the initial survey knew the correct number in their area to call for trained Emergency Medical Services and 8.3% of the respondents had the correct number posted on or near their telephone. It is important to note that this survey was taken prior to the distribution of the emergency number telephone stickers which were developed by the Project; it is therefore reasonable to assume that with the distribution of these phone stickers by the rescue squads and ambulance services, these percentages will increase dramatically.

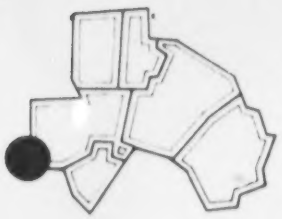
It is concluded, then, that the materials developed by the Project were to a degree distributed by the providers to the citizens of Region J, and that the citizens were able to learn more about the Emergency Medical Services System from them. It is further offered that, due to the timing of the survey and the progress of the Project, what was measured in this final survey on the Project was in fact the beginning of a public education effort on the part of the rescue squads, ambulance services, and county organizations. In the mass media campaign, the materials developed for the mass media have been in use since their distribution by the Project Office, with the exception of the billboards which will be put into use after the November elections. It is important to note that the Project was so designed that it would continue even after the Project Office and the Project per se

ceased to be. It is clear that a significant amount of public education was accomplished within the relatively short time span that was measured and it can only be expected that the percentages measured in this survey were the beginnings of much higher marks which would have been experienced if the survey had been conducted at a later time. It is, however, important to mention that the gains noted were in those areas for which the Project had designed materials, and it is also evident that the materials and the methods for providing the information are also working.

APPENDIX A

Part 1

Instructions to Interviewers



PUBLIC EDUCATION PROJECT
Emergency Medical Services
Chyclaru, Old Mason Farm Road
Chapel Hill, North Carolina 27514

(919) 933-2360

INTERVIEWER INSTRUCTIONS

First of all, thank you for helping with this survey. In this way, you are helping us to evaluate the worth of our public education effort and to improve such efforts not only in Region J, but in the entire state of North Carolina.

It is very important, in keeping within our one-year time frame for the project, that these interviews be returned to us promptly and to have them completed by the deadline. But it is also important that they be done correctly, so please take a few minutes of your time now and read the following instructions.

1. In the questionnaire, notes or instructions to interviewers appear in CAPITAL LETTERS. The questions themselves, which interviewers should quote word for word, appear in regular type- UPPER and lower case letters. The coded items or answers appear in Italics. Interviewers should circle the coded number or fill in the blanks, but should never read the italicized items to the interviewees.

2. Follow the attached small slip of directions to find your starting point. However, if this exact point is undergoing urban renewal or for some other reason no longer exists, stay in the general vicinity, but find another starting point and record it for our information.

3. If no one is home or if the respondent refuses to participate in the survey, or even if he begins it but for some reason refuses to continue to finish, go on to another house. Please go to as many houses as is necessary in order to obtain completed questionnaires. It is important that we get back the exact number of interviews noted per starting point.

Try to obtain your responses from an equal number of males and females. For example, if a male answers your questions at one house and at the next house you have a choice of speaking to a male or a female, chose the female. DO NOT TALK TO BOTH SIMULTANEOUSLY.

4. Please use a pencil to circle the number that corresponds to the way in which the person responds. Do not let the person read and mark the answers on the form himself and DO NOT PROMPT HIM IN ANY WAY BY READING THE CODED ANSWERS.

5. If you are connected with a rescue squad or an organization that has a uniform or ensignia, please wear it. This will help give the residents confidence in the validity of our survey.

6. For the last question, make sure that you have copies of all three brochures so that you can show them to the respondent for his/her identification.

7. Lastly, if you have any questions, please call our office COLLECT and we will be glad to answer them.

Thank you again for aiding us in this survey.

REGION J

PUBLIC EDUCATION PROJECT

EMERGENCY MEDICAL SERVICES

SURVEY

The purpose of the survey is to assess the public education needs in Region J relative to the public's knowledge of emergency medical services. Specifically, the objective is to learn to what extent the public has accurate knowledge of the following:

1. What emergency medical service is.
2. What services are available.
3. How to gain access to the emergency medical system.
4. The conditions for emergency medical service, i.e. whether or not recipients of the service must pay for it or be a member of a particular organization.

The survey will provide the data base for the development of the public education program and for its evaluation after completion.

INSTRUCTIONS

In the questionnaire, notes or instructions to interviewers appear in CAPITAL LETTERS. The questions themselves, which interviewers should quote verbatim, appear in regular type—Upper and Lower Case Letters. The coded items or answers appear in *Italics*. Interviewers should circle the coded number or fill in blanks, but should never read the italicized items to the interviewees.

APPENDIX A

Part 2

Survey Instrument

REGION J
PUBLIC EDUCATION PROJECT
EMERGENCY MEDICAL SERVICES

SECOND SURVEY

PART I

INTRODUCE YOURSELF

Good evening, my name is _____. I am working as a volunteer with the Region J Emergency Medical Service Council. We are conducting a survey to discover how much is known about emergency medical services in this area.

The results will help the council to evaluate its Public Ed. Project and for this reason, I would appreciate your help in answering a few questions about emergency medical services.

PART II

OBTAIN BACKGROUND INFORMATION

FOR THE FOLLOWING 4 ITEMS, MARK ITEM FROM YOUR OBSERVATION, DO NOT ASK.

A.	Race:	*White*	1
		Black	2
		Other	3
B.	Sex:	*Male*	1
		Female	2
C.	County:	*Chatham*	1
		Durham	2
		Johnston	3
		Lee	4
		Orange	5
		Wake	6
D.	Area:	*City*	1
		Rural-farm	2
		Rural non-farm	3

E. What is your occupation? (LIST HERE) _____

F. In which age bracket are you? STATE THESE AGE BRACKETS:

Under 35	1
35 thru 50	2
Over 50	3

G. What is the highest level of schooling you have completed?

Elementary	1
Some high school	2
High school graduate	3
Some higher education	4
College graduate	5

PART III: QUESTIONS ABOUT EMERGENCY MEDICAL SERVICES.

1. Is there a telephone in your home?

Yes	1
No	2

2. In the last six months, have you heard or seen any information about Emergency Medical Services?

Yes	1
No	2

3. If Yes; ask:
   Where did you see or hear this?

Television	1
Radio	2
Newspaper	3
Group Presentation	4
Brochures	5
Posters	6
Slide Tape	7
Bus Cards	8
From my children	9

4. Have you ever heard about the emergency medical system for your county?

Yes	1
No	2

IF RESPONDENT ANSWERS YES, ASK:

5. Please tell me briefly what the emergency system does.

FOLLOWING ARE LISTED THE FIVE BASIC ELEMENTS OF AN EMERGENCY MEDICAL SYSTEM. CIRCLE THE NUMERAL OF THE ITEMS MENTIONED BY THE RESPONDENT. DO NOT PROMPT BY SUGGESTING ITEMS.

Transportation	1
Telecommunications	2
Trained Nurses & Physicians at Hospital	3 3
Trained Emergency Medical Technicians	4
Emergency Room at Hospital	5

THEN SAY:
Can you think of anything else?

6. Who would you call in case of a medical emergency?

Rescue squad	1
Private physician	2
Police department	3
Hospital	4
Family or friends	5
EMS System	6
Don't know or other	7

7. What is the telephone number you would call to get trained Emergency Medical Service? _____

Don't know	3

8. Do you keep the telephone number for Emergency Medical Service in a prominent place on or near your telephone?

Yes	1
No	2

IF YES, ASK:

How did you get this number? _____

Please tell me what the number is. _____

9. Does everyone in your home, including any chilren over age 6, know how to call for emergency medical service?

Yes	1
No	2
Don't know	3

10. Have you and your family discussed what to do in case of a medical emergency?

Yes	1
No	2

11. If you were to call for emergency medical service, what information do you think you should give to whomever answered the telephone?

CIRCLE THE NUMERAL OF THE ITEMS WHICH THE RESPONDENT NAMES, BUT DO NOT PROMPT BY SUGGESTING ITEMS.

Name of person calling	1
Telephone number you are at	2
Nature of emergency	3
Site of emergency	4
Directions to the site	5
Number of injured and condition	6
Any special circumstances that might constitute danger to the service provider or delay in response time	7
Don't know	8

12. If I were coming from _____, (FILL IN WITH LOCATION OF PROVIDER'S BASE) please tell me how to get to your home.

DETERMINE IF DIRECTIONS ARE:

Clear	1
Unclear	2

13. Is there a charge for emergency medical service in your community?

Yes	
No	2
Don't know	3

14. What do you think an emergency medical situation is?

_____

_____

_____

15. What do you see as the greatest emergency medical need in your community?

CIRCLE THE NUMERAL OF THE ITEMS MENTIONED BY THE RESPONDENT. DO NOT PROMPT BY SUGGESTING ITEMS.

More emergency equipment and money, i.e., ambulances, rescue vehicles	1
Closer hospitals & more doctors	2
More and/or better trained emergency personnel	3
Better publicity & education	4
Already adequate	5

16. (Interviewer should hold up the three brochures)

Have you seen any of these brochures before now.

	Yes	No
E.M.T.'s Could Save your life	1	2
Your best help in a Medical Emergency	1	2
Preparedness Card	1	2

THANK THE RESPONDENT.

Thank you for your time and help in answering these questions.

APPENDIX B

Statistical Package for the Social Sciences

```
//PEP4 JOB UNC.FX.F239G,HUFF,T=2,P=500
// EXEC SPSS
//DATAIN DD DSN=UNC.FX.F239G.HUFF.REGIONJ,DISP=OLD
//SYSIN DD *
RUN NAME          PUBLIC EDUCATION PROJECT SECOND SURVEY RESULTS
DATA LIST         FIXED /1 COUNTY 1-3 NUM 4-6 RACE SEX AREA OCC
                    AGE ED TEL 8-10 SIX 15 M1 TO M10 16-25
                    HURD 26 INFO1 TO INFO5 27-31 WHC 32 TEL1 33-39
                   TEL2A TEL2B 40-41 TEL2C 42-48 CAL 51
                    FAM 54
                  CALL1 TO CALL8 56-63 DIR COST 64-65 IS 66-67
                     NEED1 TO NEED5 69-73 B1 TO B3 74-76 STUD 78
INPUT MEDIUM      DISK
N OF CASES        UNKNOWN
RECODE            COUNTY (37=1) (63=2) (101=3) (105=4) (135=5) (183=6)
RECODE            AREA (6=0)/NEED2 M8 (2=1)/NEED5 TEL2A INFO5 (5=1)/
                  DIR (3=2)/COST (4=3)
MISSING VALUES    RACE SEX AREA AGE ED TEL CAL HURD WHC FAM TEL2B
                  TEL2A SIX B1 B2 B3 DIR COST TEL1 TEL2C (0)/OCC (9)
COMPUTE           INFO=INFO1+INFO2+INFO3+INFO4+INFO5
VAR LABELS         OCC,OCCUPATION OF RESPONDENT/
                   ED,HIGHEST  LEVEL OF SCHOOLING COMPLETED/
                   TEL,IS THERE A TELEPHONE IN YOUR HOME?/
                  SIX,HAVE YOU HEARD IN LAST SIX MONTHS/
                  M1,TELEVISION/M2,RADIO/M3,NEWSPAPER/
                  M4,GROUP PRESENTATION/M5,BROCHURES/M6,POSTERS/
                  M7,SLIDE TAPE/M8,BUS CARDS/M9,FROM MY CHILDREN/
                     M10,OTHER/
                    HURD,HAVE YOU HEARD ABOUT THE EMS SYSTEM?/
                    INFO1,TRANSPORTATION/
                    INFO2,TELECOMMUNICATIONS/
                   INFO3,TRAINED NURSES AND PHYSICIANS AT HOSP/
                   INFO4,TRAINED EMERGENCY MEDICAL TECHNICIANS/
                   INFO5,HOSPITAL EMERGENCY ROOM/
                   WHC,WHO WOULD YOU CALL FOR MEDICAL EMERGENCY?/
                   TEL1,WHAT IS PHONE NUM FOR EMS?/
                   TEL2A,DO YOU KEEP IT IN PROMINENT PLACE?/
                  TEL2B,HOW DID YOU GET THIS NUMBER/
                   TEL2C,WHAT IS THE NUMBER?/
                   CAL, DOES EVERYONE IN YOUR HOME KNOW HOW?/
                   FAM,HAS YOUR FAMILY DISCUSSED EMERGENCIES?/
                   CALL1,NAME OF PERSON CALLING/
                   CALL2,TELEPHONE NUMBER YOU ARE AT/
                   CALL3,NATURE OF EMERGENCY/
                   CALL4,SITE OF EMERGENCY/
                   CALL5,DIRECTIONS TO THE SITE/
                   CALL6,NUMBER OF INJURED AND CONDITION/
                   CALL7,ANY SPECIAL CIRCUMSTANCES/
                   CALL8,DON'T KNOW/
                   DIR,CAN YOU GIVE CLEAR DIRECTIONS TO HOUSE?/
```

```
                COST, IS THERE A CHARGE FOR EMS?/
                 IS,WHAT IS AN EMS SITUATION?/
                NEED1,MORE EMERGENCY EQUIPMENT AN MONEY/
                NEED2,CLOSER HOSPITALS & MORE DOCTORS/
                 NEED3,MORE * BETTER TRAINED EMTS/
                NEED4,BETTER PUBLICITY & EDUCATION/
                NEED5,ALREADY ADEQUATE/
               B1,EMT'S COULD SAVE YOUR LIFE/
               B2,YOUR BEST HELP IN A MEDICAL EMERGENCY/
               B3,PREPAREDNESS CARD/
VALUE LABELS      RACE (1) WHITE (2) BLACK (3) OTHER/
                  SEX (1) MALE (2) FEMALE/
                  COUNTY (1) CHATHAM (2) DURHAM (3) JOHNSTON
                    (4) LEE (5) ORANGE (6) WAKE/
                  AREA (1) CITY (2) RURAL-FARM (3) RURAL NON-FARM/
                  OCC (0) MILITARY (1) MANUAL WORKER
                   (2) CLERICAL WORKER (3) WHITE COLLAR PROFESSIONAL
                   (4) HOUSEWIFE (5) UNNEMPLOYED (6) RETIRED
                    (7) SELF-EMPLOYED FARMER
                      (8) OTHER (9) BLANK/
                 AGE (1) UNDER 35 (2) 35 THRU 50
                   (3) OVER 50/
                    ED (1) ELEMENTARY (2) SOME HIGH SCHOOL
                    (3) HIGH SCHOOL GRADUATE
                      (4) SOME HIGHER EDUCATION (5) COLLEGE GRADUATE/
                   TEL HURD TEL2A CAL FAM COST  SIX B1 TO B3 (1) YES
                     (2) NO (3) DON'T KNOW/
                   INFO1 TO INFO5 CALL1 TO CALL8 NEED1 TO NEED5
               M1 TO M10
                  (1) MENTIONED THIS ITEM (0) DID NOT MENTION/
                    WHC (1) RESCUE SQUAD (2) PRIVATE PHYSICIAN
                  (3) POLICE DEPARTMENT (4) HOSPITAL
                   (5) FAMILY OF FRIENDS (6) EMS SYSTEM (7) DONT KNOW/
                  DIR (1) CLEAR (2) UNCLEAR/ IS
                  (1) HOME OR AUTO ACCIDENT (0) BLANK OR DON'T KNOW
                  (2) SERIOUS SICKNESS OR ILLNESS
                  (3) HEART RELATED (4) CANCER
                   (5) BROKEN BONES AND BLEEDING
                   (6) UNCONSIOUS (7) HURT BAD.IN PAIN
                   (8) IN NEED OF HELP.CAN'T HANDLE
                  (9) FIRE (10) BURNS (11))LIFE THREATENING SIT
                  (12) TRAUMATIC OR SEVERE INJURY
                  (13) MISUNDERSTOOD QUESTION
                   (14) BLANKET ANSWER (15) HAVING A BABY
                   (16) ONE REQ IMMEDIATE ATTEN.
                   (17) POISON (18) DROWNING
                   (19) GUN SHOT (20) UNABLE TO WALK
                    (21) CONVULSION (22) UNABLE TO BE MOVED
               (23) SHOCK (24) FALL (25) NO DOCTORS ON WEEKEND
               (26) WANT RIDE TO HOSPITAL (27) APPENDIX ATTACK
```

```
                (28) CHOKING (29) IMMEDIATE DANGER
                 (30) WHENEVER EMERGENCY AID NEEDED/
               TEL2B (0) MISSING (1) WELCOME WAGON
               (3) DONT KNOW (2) FROM DOCTOR (4) TELEPHONE BOOK
               (5) PROMOTIONAL ITEM
               (6) FIRE OF POLICE DEPARTMENT (7) FROM WORK
               (8) RELATIVES OR FIRENDS (9) RESCUE SQUAD/
FREQUENCIES     GENERAL=COUNTY RACE TO WHC TEL2A TEL2B CAL TO B3 INFO
STATISTICS       ALL
OPTIONS         3,9
READ INPUT DATA
*RECODE         TEL1 TEL2C       (0=0) (3=3) (11 THRU 92=2) (9=0) (2=3)
               (911=1) (7424514=1) (5422811=1) (5422422=1)
               (7764711=1) (9292121=1) (7322431=1)
               (9658189=1) (9342121=1) (2844174=1)
               (5536058=1) (9632157=1) (8942091=1) (2842116=1)
               (9366481=1) (8291911=1) (4676101=1) (ELSE=4)
FREQUENCIES     GENERAL=TEL1 TEL2C
CROSSTABS       TABLES= SIX M1 TO M9 HURD INFO1 TO INFO5 INFO B1 TO B3
               BY COUNTY RACE SEX AREA AGE TEL
STATISTICS      1
FINISH
```

APPENDIX C

Extensions of Percentages

To Include

Number of People in Region J

%	PEOPLE	LOWER .01	UPPER .01	LOWER .05	UPPER .05	.05	.01
0.0 =	0.0	0.0	0.0	0.0	0.0	.0000	.0000
0.1 =	510.8	-774.5	1796.1	-481.0	1502.6	.0019	.0025
0.2 =	1021.6	-795.2	2838.4	-380.3	2423.6	.0027	.0036
0.3 =	1532.4	-691.5	3756.4	-183.7	3248.6	.0034	.0044
0.4 =	2043.3	-523.5	4610.0	62.6	4023.9	.0039	.0050
0.5 =	2554.1	-314.2	5422.3	340.8	4767.4	.0043	.0056
0.6 =	3064.9	-75.6	6205.3	641.6	5488.2	.0047	.0061
0.7 =	3575.7	185.3	6966.1	959.5	6191.9	.0051	.0066
0.8 =	4086.5	463.9	7709.2	1291.1	6881.9	.0055	.0071
0.9 =	4597.3	756.9	8437.8	1633.8	7560.8	.0058	.0075
1.0 =	5108.2	1062.0	9154.3	1985.9	8230.4	.0061	.0079
1.1 =	5619.0	1377.5	9860.5	2346.0	8891.9	.0064	.0083
1.2 =	6129.8	1701.9	10557.6	2713.0	9546.6	.0067	.0087
1.3 =	6640.6	2034.3	11246.9	3086.1	10195.1	.0070	.0090
1.4 =	7151.4	2373.6	11929.2	3464.6	10838.2	.0072	.0094
1.5 =	7662.2	2719.3	12605.2	3848.0	11476.5	.0075	.0097
1.6 =	8173.1	3070.6	13275.5	4235.7	12110.4	.0077	.0100
1.7 =	8683.9	3427.0	13940.7	4627.4	12740.3	.0079	.0103
1.8 =	9194.7	3788.2	14601.2	5022.7	13366.6	.0082	.0106
1.9 =	9705.5	4153.7	15257.3	5421.4	13989.6	.0084	.0109
2.0 =	10216.3	4523.2	15909.5	5823.2	14609.4	.0086	.0111
2.1 =	10727.1	4896.4	16557.9	6227.8	15226.5	.0088	.0114
2.2 =	11237.9	5273.0	17202.9	6635.1	15840.8	.0090	.0117
2.3 =	11748.8	5652.9	17844.6	7044.9	16452.7	.0092	.0119
2.4 =	12259.6	6035.8	18483.4	7457.0	17062.2	.0094	.0122
2.5 =	12770.4	6421.5	19119.3	7871.3	17669.5	.0096	.0124
2.6 =	13281.2	6809.9	19752.5	8287.6	18274.8	.0098	.0127
2.7 =	13792.0	7200.9	20383.2	8705.9	18878.1	.0100	.0129
2.8 =	14302.8	7594.2	21011.5	9126.1	19479.6	.0101	.0131
2.9 =	14813.7	7989.8	21637.6	9548.0	20079.3	.0103	.0134
3.0 =	15324.5	8387.5	22261.5	9971.5	20677.4	.0105	.0136
3.1 =	15835.3	8787.3	22883.3	10396.7	21273.9	.0106	.0138
3.2 =	16346.1	9189.0	23503.2	10823.3	21868.9	.0108	.0140
3.3 =	16856.9	9592.6	24121.2	11251.4	22462.4	.0110	.0142
3.4 =	17367.7	9998.0	24737.5	11680.9	23054.6	.0111	.0144
3.5 =	17878.6	10405.1	25352.0	12111.6	23645.5	.0113	.0146
3.6 =	18389.4	10813.8	25964.9	12543.7	24235.1	.0114	.0148
3.7 =	18900.2	11224.1	26576.2	12976.9	24823.4	.0116	.0150
3.8 =	19411.0	11635.9	27186.1	13411.4	25410.6	.0117	.0152
3.9 =	19921.8	12049.2	27794.4	13846.9	25996.7	.0119	.0154
4.0 =	20432.6	12463.9	28401.4	14283.5	26581.7	.0120	.0156
4.1 =	20943.4	12879.9	29007.0	14721.2	27165.7	.0122	.0158
4.2 =	21454.3	13297.2	29611.3	15159.9	27748.7	.0123	.0160
4.3 =	21965.1	13715.8	30214.3	15599.5	28330.6	.0125	.0161
4.4 =	22475.9	14135.6	30816.2	16040.1	28911.7	.0126	.0163
4.5 =	22986.7	14556.6	31416.8	16481.6	29491.8	.0127	.0165
4.6 =	23497.5	14978.8	32016.3	16924.0	30071.1	.0129	.0167
4.7 =	24008.3	15402.0	32614.7	17367.2	30649.5	.0130	.0168
4.8 =	24519.2	15826.3	33212.0	17811.3	31227.0	.0131	.0170

4.9 =	25030.0	16251.6	33808.3	18256.1	31803.8	.0133	.0172
5.0 =	25540.8	16678.0	34403.6	18701.8	32379.8	.0134	.0174
5.1 =	26051.6	17105.3	34997.9	19148.2	32955.0	.0135	.0175
5.2 =	26562.4	17533.6	35591.2	19595.3	33529.5	.0136	.0177
5.3 =	27073.2	17962.8	36183.6	20043.2	34103.3	.0138	.0178
5.4 =	27584.1	18393.0	36775.1	20491.7	34676.4	.0139	.0180
5.5 =	28094.9	18824.0	37365.8	20941.0	35248.8	.0140	.0181
5.6 =	28605.7	19255.9	37955.5	21390.9	35820.5	.0141	.0183
5.7 =	29116.5	19688.6	38544.4	21841.4	36391.6	.0142	.0185
5.8 =	29627.3	20122.1	39132.6	22292.6	36962.1	.0144	.0186
5.9 =	30138.1	20556.4	39719.9	22744.3	37531.9	.0145	.0188
6.0 =	30649.0	20991.5	40306.4	23196.7	38101.2	.0146	.0189
6.1 =	31159.8	21427.3	40892.2	23649.7	38669.8	.0147	.0191
6.2 =	31670.6	21863.9	41477.3	24103.2	39237.9	.0148	.0192
6.3 =	32181.4	22301.2	42061.5	24557.3	39805.4	.0149	.0193
6.4 =	32692.2	22739.2	42645.1	25012.0	40372.4	.0150	.0195
6.5 =	33203.0	23178.0	43228.0	25467.1	40938.9	.0151	.0196
6.6 =	33713.8	23617.4	43810.3	25922.9	41504.8	.0153	.0198
6.7 =	34224.7	24057.4	44391.9	26379.1	42070.2	.0154	.0199
6.8 =	34735.5	24498.1	44972.8	26835.8	42635.1	.0155	.0200
6.9 =	35246.3	24939.5	45553.0	27293.0	43199.5	.0156	.0202
7.0 =	35757.1	25381.5	46132.7	27750.7	43763.5	.0157	.0203
7.1 =	36267.9	25824.1	46711.8	28208.9	44326.9	.0158	.0204
7.2 =	36778.7	26267.2	47290.2	28667.5	44889.9	.0159	.0206
7.3 =	37289.5	26711.0	47868.1	29126.6	45452.5	.0160	.0207
7.4 =	37800.4	27155.4	48445.3	29586.1	46014.6	.0161	.0208
7.5 =	38311.2	27600.3	49022.1	30046.1	46576.3	.0162	.0210
7.6 =	38822.0	28045.8	49598.2	30506.5	47137.5	.0163	.0211
7.7 =	39332.8	28491.8	50173.8	30967.3	47698.3	.0164	.0212
7.8 =	39843.6	28938.3	50748.9	31428.5	48258.7	.0165	.0213
7.9 =	40354.5	29385.4	51323.4	31890.2	48818.7	.0166	.0215
8.0 =	40865.3	29833.0	51897.5	32352.2	49378.3	.0167	.0216
8.1 =	41376.1	30281.2	52471.0	32814.6	49937.5	.0168	.0217
8.2 =	41886.9	30729.8	53044.0	33277.4	50496.3	.0169	.0218
8.3 =	42397.7	31178.9	53616.5	33740.6	51054.7	.0169	.0220
8.4 =	42908.5	31628.5	54188.6	34204.2	51612.8	.0170	.0221
8.5 =	43419.3	32078.5	54760.2	34668.1	52170.5	.0171	.0222
8.6 =	43930.2	32529.1	55331.2	35132.5	52727.8	.0172	.0223
8.7 =	44441.0	32980.0	55901.9	35597.1	53284.8	.0173	.0224
8.8 =	44951.8	33431.5	56472.0	36062.1	53841.4	.0174	.0226
8.9 =	45462.6	33883.4	57041.8	36527.5	54397.7	.0175	.0227
9.0 =	45973.4	34335.7	57611.1	36993.2	54953.6	.0176	.0228
9.1 =	46484.2	34788.5	58179.9	37459.2	55509.2	.0177	.0229
9.2 =	46995.0	35241.7	58748.3	37925.5	56064.5	.0178	.0230
9.3 =	47505.9	35695.3	59316.4	38392.2	56619.5	.0178	.0231
9.4 =	48016.7	36149.4	59884.0	38859.2	57174.1	.0179	.0232
9.5 =	48527.5	36603.8	60451.2	39326.5	57728.4	.0180	.0233
9.6 =	49038.3	37058.7	61017.9	39794.2	58282.4	.0181	.0235
9.7 =	49549.1	37513.9	61584.3	40262.1	58836.1	.0182	.0236
9.8 =	50060.0	37969.5	62150.3	40730.4	59389.5	.0183	.0237
9.9 =	50570.8	38425.6	62715.9	41198.9	59942.6	.0183	.0238
10.0 =	51081.6	38882.0	63281.1	41667.7	60495.4	.0184	.0239
10.1 =	51592.4	39338.7	63846.0	42136.8	61047.9	.0185	.0240
10.2 =	52103.2	39795.9	64410.5	42606.3	61600.2	.0186	.0241
10.3 =	52614.0	40253.4	64974.6	43075.9	62152.1	.0187	.0242
10.4 =	53124.8	40711.3	65538.3	43545.9	62703.8	.0188	.0243
10.5 =	53635.7	41169.6	66101.7	44016.1	63255.1	.0188	.0244
10.6 =	54146.5	41628.1	66664.8	44486.7	63806.2	.0189	.0245
10.7 =	54657.3	42087.1	67227.4	44957.4	64357.1	.0190	.0246
10.8 =	55168.1	42546.4	67789.8	45428.5	64907.7	.0191	.0247

10.9 =	55678.9	43006.0	68351.8	45899.8	65458.0	.0191	.0248
11.0 =	56189.7	43466.0	68913.4	46371.4	66008.0	.0192	.0249
11.1 =	56700.5	43926.3	69474.8	46843.2	66557.8	.0193	.0250
11.2 =	57211.4	44386.9	70035.8	47315.3	67107.4	.0194	.0251
11.3 =	57722.2	44847.8	70596.5	47787.6	67656.7	.0194	.0252
11.4 =	58233.0	45309.1	71156.9	48260.2	68205.8	.0195	.0253
11.5 =	58743.8	45770.7	71716.9	48733.1	68754.5	.0196	.0254
11.6 =	59254.6	46232.6	72276.6	49206.1	69303.1	.0197	.0255
11.7 =	59765.5	46694.8	72836.1	49679.4	69851.4	.0197	.0256
11.8 =	60276.3	47157.3	73395.2	50153.0	70399.5	.0198	.0257
11.9 =	60787.1	47620.1	73954.0	50626.7	70947.4	.0199	.0258
12.0 =	61297.9	48083.2	74512.5	51100.7	71495.0	.0200	.0259
12.1 =	61808.7	48546.7	75070.8	51575.0	72042.4	.0200	.0260
12.2 =	62319.5	49010.3	75628.7	52049.5	72589.6	.0201	.0261
12.3 =	62830.3	49474.3	76186.3	52524.1	73136.5	.0202	.0261
12.4 =	63341.2	49938.6	76743.7	52999.0	73683.2	.0202	.0262
12.5 =	63852.0	50403.2	77300.7	53474.2	74229.8	.0203	.0263
12.6 =	64362.8	50868.0	77857.5	53949.5	74776.1	.0204	.0264
12.7 =	64873.6	51333.2	78414.0	54425.1	75322.1	.0205	.0265
12.8 =	65384.4	51798.5	78970.3	54900.8	75868.0	.0205	.0266
12.9 =	65895.2	52264.2	79526.2	55376.8	76413.6	.0206	.0267
13.0 =	66406.1	52730.2	80081.9	55853.0	76959.1	.0207	.0268
13.1 =	66916.9	53196.4	80637.3	56329.4	77504.3	.0207	.0269
13.2 =	67427.7	53662.8	81192.5	56806.0	78049.3	.0208	.0269
13.3 =	67938.5	54129.6	81747.4	57282.8	78594.2	.0209	.0270
13.4 =	68449.3	54596.6	82302.0	57759.8	79138.8	.0209	.0271
13.5 =	68960.1	55063.8	82856.4	58237.0	79683.3	.0210	.0272
13.6 =	69470.9	55531.3	83410.5	58714.4	80227.4	.0211	.0273
13.7 =	69981.8	55999.1	83964.4	59192.0	80771.5	.0211	.0274
13.8 =	70492.6	56467.1	84518.0	59669.8	81315.3	.0212	.0275
13.9 =	71003.4	56935.4	85071.4	60147.8	81858.9	.0213	.0275
14.0 =	71514.2	57403.9	85624.6	60625.9	82402.5	.0213	.0276
14.1 =	72025.0	57872.6	86177.4	61104.3	82945.8	.0214	.0277
14.2 =	72535.8	58341.6	86730.1	61582.8	83488.8	.0214	.0278
14.3 =	73046.6	58810.8	87282.4	62061.5	84031.8	.0215	.0279
14.4 =	73557.5	59280.3	87834.6	62540.5	84574.5	.0216	.0279
14.5 =	74068.3	59750.0	88386.6	63019.5	85117.0	.0216	.0280
14.6 =	74579.1	60219.9	88938.3	63498.8	85659.4	.0217	.0281
14.7 =	75089.9	60690.1	89489.7	63978.2	86201.6	.0218	.0282
14.8 =	75600.7	61160.5	90040.9	64457.9	86743.6	.0218	.0283
14.9 =	76111.6	61631.1	90592.0	64937.7	87285.4	.0219	.0283
15.0 =	76622.4	62101.9	91142.8	65417.6	87827.1	.0219	.0284
15.1 =	77133.2	62573.0	91693.3	65897.8	88368.6	.0220	.0285
15.2 =	77644.0	63044.3	92243.6	66378.1	88909.9	.0221	.0286
15.3 =	78154.8	63515.8	92793.8	66858.6	89451.0	.0221	.0287
15.4 =	78665.6	63987.5	93343.7	67339.2	89992.0	.0222	.0287
15.5 =	79176.4	64459.5	93893.4	67820.1	90532.8	.0222	.0288
15.6 =	79687.3	64931.6	94442.9	68301.0	91073.4	.0223	.0289
15.7 =	80198.1	65404.0	94992.1	68782.2	91613.9	.0223	.0290
15.8 =	80708.9	65876.6	95541.2	69263.4	92154.3	.0224	.0290
15.9 =	81219.7	66349.4	96090.0	69744.9	92694.4	.0225	.0291
16.0 =	81730.5	66822.4	96638.6	70226.6	93234.4	.0225	.0292
16.1 =	82241.3	67295.5	97187.0	70708.3	93774.3	.0226	.0293
16.2 =	82752.1	67768.9	97735.3	71190.3	94313.9	.0226	.0293
16.3 =	83262.9	68242.5	98283.3	71672.4	94853.4	.0227	.0294
16.4 =	83773.8	68716.4	98831.1	72154.6	95392.8	.0227	.0295
16.5 =	84284.5	69190.3	99378.7	72637.1	95932.0	.0228	.0295
16.6 =	84795.4	69664.6	99926.1	73119.6	96471.1	.0229	.0296
16.7 =	85306.2	70139.0	100473.4	73602.4	97010.0	.0229	.0297
16.8 =	85817.0	70613.6	101020.4	74085.3	97548.7	.0230	.0298

16.9 =	86327.8	71088.4	101567.3	74568.3	98087.3	.0230	.0298
17.0 =	86838.7	71563.4	102113.9	75051.5	98625.8	.0231	.0299
17.1 =	87349.4	72038.6	102660.3	75534.8	99164.1	.0231	.0300
17.2 =	87860.3	72514.0	103206.6	76018.3	99702.3	.0232	.0300
17.3 =	88371.1	72989.5	103752.6	76501.9	100240.3	.0232	.0301
17.4 =	88881.9	73465.3	104298.5	76985.6	100778.2	.0233	.0302
17.5 =	89392.7	73941.2	104844.1	77469.5	101315.9	.0233	.0302
17.6 =	89903.5	74417.4	105389.7	77953.6	101853.4	.0234	.0303
17.7 =	90414.4	74893.7	105935.0	78437.8	102390.9	.0234	.0304
17.8 =	90925.1	75370.1	106480.1	78922.1	102928.2	.0235	.0305
17.9 =	91436.0	75846.8	107025.1	79406.6	103465.4	.0235	.0305
18.0 =	91946.8	76323.7	107569.9	79891.2	104002.4	.0236	.0306
18.1 =	92457.6	76800.7	108114.4	80375.9	104539.3	.0237	.0307
18.2 =	92968.4	77277.9	108658.9	80860.8	105076.1	.0237	.0307
18.3 =	93479.3	77755.3	109203.1	81345.8	105612.6	.0238	.0308
18.4 =	93990.1	78232.9	109747.2	81831.0	106149.1	.0238	.0308
18.5 =	94500.8	78710.6	110291.1	82316.3	106685.4	.0239	.0309
18.6 =	95011.7	79188.5	110834.8	82801.7	107221.7	.0239	.0310
18.7 =	95522.5	79666.6	111378.4	83287.3	107757.8	.0240	.0310
18.8 =	96033.3	80144.9	111921.8	83772.9	108293.6	.0240	.0311
18.9 =	96544.1	80623.3	112464.9	84258.8	108829.5	.0241	.0312
19.0 =	97055.0	81101.9	113008.1	84744.8	109365.3	.0241	.0312
19.1 =	97565.8	81580.6	113550.8	85230.8	109900.7	.0241	.0313
19.2 =	98076.6	82059.6	114093.6	85717.0	110436.1	.0242	.0314
19.3 =	98587.4	82538.7	114636.1	86203.3	110971.4	.0242	.0314
19.4 =	99098.2	83017.9	115178.4	86689.8	111506.6	.0243	.0315
19.5 =	99609.0	83497.4	115720.6	87176.4	112041.6	.0243	.0315
19.6 =	100119.8	83977.0	116262.6	87663.1	112576.5	.0244	.0316
19.7 =	100630.7	84456.8	116804.6	88150.1	113111.3	.0244	.0317
19.8 =	101141.4	84936.6	117346.3	88636.9	113645.9	.0245	.0317
19.9 =	101652.3	85416.8	117887.8	89124.1	114180.5	.0245	.0318
20.0 =	102163.2	85897.0	118429.3	89611.3	114715.0	.0246	.0318
20.1 =	102673.9	86377.4	118970.4	90098.6	115249.2	.0246	.0319
20.2 =	103184.8	86858.0	119511.6	90586.1	115783.4	.0247	.0320
20.3 =	103695.5	87338.6	120052.4	91073.7	116317.4	.0247	.0320
20.4 =	104206.4	87819.5	120593.3	91561.4	116851.4	.0248	.0321
20.5 =	104717.1	88300.5	121133.8	92049.2	117385.1	.0248	.0321
20.6 =	105228.0	88781.7	121674.3	92537.1	117918.8	.0248	.0322
20.7 =	105738.9	89263.1	122214.6	93025.3	118452.4	.0249	.0323
20.8 =	106249.6	89744.5	122754.7	93513.4	118985.8	.0249	.0323
20.9 =	106760.5	90226.2	123294.8	94001.8	119519.2	.0250	.0324
21.0 =	107271.3	90708.0	123834.6	94490.1	120052.4	.0250	.0324
21.1 =	107782.1	91189.9	124374.3	94978.7	120585.5	.0251	.0325
21.2 =	108292.9	91672.0	124913.8	95467.3	121118.5	.0251	.0325
21.3 =	108803.7	92154.2	125453.2	95956.0	121651.3	.0252	.0326
21.4 =	109314.6	92636.6	125992.5	96445.0	122184.1	.0252	.0326
21.5 =	109825.3	93119.1	126531.5	96933.9	122716.7	.0252	.0327
21.6 =	110336.2	93601.8	127070.5	97423.1	123249.3	.0253	.0328
21.7 =	110847.0	94084.7	127609.3	97912.3	123781.8	.0253	.0328
21.8 =	111357.8	94567.6	128148.0	98401.6	124314.0	.0254	.0329
21.9 =	111868.6	95050.7	128686.5	98891.0	124846.2	.0254	.0329
22.0 =	112379.5	95534.0	129224.9	99380.6	125378.3	.0254	.0330
22.1 =	112890.3	96017.4	129763.1	99870.3	125910.3	.0255	.0330
22.2 =	113401.1	96500.9	130301.3	100360.0	126442.1	.0255	.0331
22.3 =	113911.9	96984.6	130839.1	100849.9	126973.9	.0256	.0331
22.4 =	114422.7	97468.4	131377.0	101339.9	127505.5	.0256	.0332
22.5 =	114933.5	97952.4	131914.6	101829.9	128037.0	.0257	.0332
22.6 =	115444.3	98436.5	132452.1	102320.2	128568.4	.0257	.0333
22.7 =	115955.2	98920.8	132989.6	102810.5	129099.8	.0257	.0333
22.8 =	116465.9	99405.1	133526.8	103300.9	129631.0	.0258	.0334

22.9 =	116976.8	99889.6	134063.9	103791.4	130162.1	.0258	.0335
23.0 =	117487.6	100374.3	134600.9	104282.1	130693.1	.0259	.0335
23.1 =	117998.4	100859.1	135137.7	104772.8	131224.0	.0259	.0336
23.2 =	118509.3	101344.1	135674.4	105263.6	131754.8	.0259	.0336
23.3 =	119020.0	101829.1	136210.9	105754.6	132285.4	.0260	.0337
23.4 =	119530.9	102314.3	136747.4	106245.6	132816.1	.0260	.0337
23.5 =	120041.6	102799.6	137283.7	106736.8	133346.5	.0260	.0338
23.6 =	120552.5	103285.1	137819.9	107228.0	133876.9	.0261	.0338
23.7 =	121063.3	103770.7	138355.9	107719.4	134407.2	.0261	.0339
23.8 =	121574.1	104256.4	138891.8	108210.8	134937.4	.0262	.0339
23.9 =	122084.9	104742.3	139427.6	108702.4	135467.4	.0262	.0340
24.0 =	122595.8	105228.3	139963.3	109194.1	135997.4	.0262	.0340
24.1 =	123106.6	105714.4	140498.7	109685.8	136527.3	.0263	.0340
24.2 =	123617.4	106200.7	141034.1	110177.8	137057.1	.0263	.0341
24.3 =	124128.2	106687.0	141569.3	110669.6	137586.7	.0263	.0341
24.4 =	124639.0	107173.6	142104.4	111161.8	138116.3	.0264	.0342
24.5 =	125149.8	107660.2	142639.4	111653.9	138645.7	.0264	.0342
24.6 =	125660.6	108146.9	143174.3	112146.1	139175.1	.0265	.0343
24.7 =	126171.5	108633.9	143709.1	112638.5	139704.4	.0265	.0343
24.8 =	126682.3	109120.9	144243.6	113130.9	140233.6	.0265	.0344
24.9 =	127193.1	109608.1	144778.1	113623.5	140762.7	.0266	.0344
25.0 =	127704.0	110095.3	145312.6	114116.3	141291.7	.0266	.0345
25.1 =	128214.7	110582.7	145846.8	114608.9	141820.5	.0266	.0345
25.2 =	128725.6	111070.3	146380.9	115101.8	142349.3	.0267	.0346
25.3 =	129236.3	111557.9	146914.8	115594.7	142877.9	.0267	.0346
25.4 =	129747.2	112045.6	147448.7	116087.8	143406.6	.0267	.0347
25.5 =	130257.9	112533.5	147982.4	116580.8	143935.1	.0268	.0347
25.6 =	130768.8	113021.6	148516.0	117074.1	144463.5	.0268	.0347
25.7 =	131279.7	113509.8	149049.6	117567.4	144991.9	.0268	.0348
25.8 =	131790.4	113997.9	149582.9	118060.8	145520.0	.0269	.0348
25.9 =	132301.3	114486.4	150116.1	118554.3	146048.2	.0269	.0349
26.0 =	132812.1	114974.9	150649.3	119048.0	146576.3	.0269	.0349
26.1 =	133322.9	115463.5	151182.3	119541.6	147104.1	.0270	.0350
26.2 =	133833.8	115952.3	151715.2	120035.4	147632.0	.0270	.0350
26.3 =	134344.5	116441.1	152247.9	120529.3	148159.7	.0270	.0350
26.4 =	134855.4	116930.1	152780.6	121023.3	148687.4	.0271	.0351
26.5 =	135366.1	117419.1	153313.1	121517.3	149214.9	.0271	.0351
26.6 =	135876.9	117908.4	153845.5	122011.4	149742.4	.0271	.0352
26.7 =	136387.8	118397.8	154377.8	122505.8	150269.9	.0272	.0352
26.8 =	136898.6	118887.2	154909.9	123000.0	150797.1	.0272	.0353
26.9 =	137409.4	119376.8	155442.1	123494.5	151324.4	.0272	.0353
27.0 =	137920.3	119866.5	155974.0	123989.1	151851.5	.0273	.0353
27.1 =	138431.1	120356.3	156505.8	124483.6	152378.5	.0273	.0354
27.2 =	138941.9	120846.3	157037.5	124978.3	152905.4	.0273	.0354
27.3 =	139452.6	121336.2	157569.1	125473.0	153432.3	.0274	.0355
27.4 =	139963.5	121826.4	158100.6	125967.9	153959.1	.0274	.0355
27.5 =	140474.3	122316.6	158631.9	126462.9	154485.6	.0274	.0355
27.6 =	140985.1	122807.1	159163.2	126957.9	155012.3	.0275	.0356
27.7 =	141496.0	123297.6	159694.4	127453.1	155538.8	.0275	.0356
27.8 =	142006.8	123788.1	160225.4	127948.3	156065.2	.0275	.0357
27.9 =	142517.6	124278.9	160756.3	128443.6	156591.6	.0276	.0357
28.0 =	143028.4	124769.8	161287.1	128939.1	157117.8	.0276	.0357
28.1 =	143539.2	125260.7	161817.8	129434.5	157643.9	.0276	.0358
28.2 =	144050.1	125751.8	162348.3	129930.1	158170.0	.0276	.0358
28.3 =	144560.8	126242.9	162878.8	130425.7	158695.9	.0277	.0359
28.4 =	145071.7	126734.2	163409.1	130921.5	159221.9	.0277	.0359
28.5 =	145582.4	127225.5	163939.4	131417.3	159747.6	.0277	.0359
28.6 =	146093.3	127717.1	164469.5	131913.2	160273.4	.0278	.0360
28.7 =	146604.1	128208.7	164999.6	132409.2	160799.0	.0278	.0360
28.8 =	147114.9	128700.4	165529.4	132905.3	161324.5	.0278	.0360

28.9 =	147625.8	129192.2	166059.3	133401.4	161850.0	.0278	.0361
29.0 =	148136.6	129684.2	166588.9	133897.8	162375.4	.0279	.0361
29.1 =	148647.4	130176.2	167118.5	134394.0	162900.7	.0279	.0362
29.2 =	149158.2	130668.4	167648.0	134890.4	163425.9	.0279	.0362
29.3 =	149669.0	131160.6	168177.3	135386.9	163951.0	.0280	.0362
29.4 =	150179.8	131653.1	168706.6	135883.6	164476.1	.0280	.0363
29.5 =	150690.6	132145.4	169235.8	136380.2	165001.0	.0280	.0363
29.6 =	151201.4	132638.1	169764.8	136876.9	165525.9	.0280	.0363
29.7 =	151712.3	133130.8	170293.8	137373.8	166050.8	.0281	.0364
29.8 =	152223.1	133623.6	170822.6	137870.7	166575.4	.0281	.0364
29.9 =	152733.9	134116.5	171351.3	138367.8	167100.1	.0281	.0364
30.0 =	153244.8	134609.6	171879.9	138864.8	167624.6	.0282	.0365
30.1 =	153755.5	135102.6	172408.4	139361.9	168149.1	.0282	.0365
30.2 =	154266.4	135595.9	172936.8	139859.2	168673.5	.0282	.0366
30.3 =	154777.1	136089.2	173465.1	140356.5	169197.8	.0282	.0366
30.4 =	155288.0	136582.6	173993.3	140853.9	169722.0	.0283	.0366
30.5 =	155798.8	137076.1	174521.4	141351.4	170246.1	.0283	.0367
30.6 =	156309.6	137569.8	175049.4	141849.0	170770.2	.0283	.0367
30.7 =	156820.4	138063.6	175577.3	142346.6	171294.2	.0283	.0367
30.8 =	157331.3	138557.4	176105.0	142844.3	171818.1	.0284	.0368
30.9 =	157842.1	139051.4	176632.8	143342.2	172341.9	.0284	.0368
31.0 =	158352.9	139545.4	177160.3	143840.1	172865.7	.0284	.0368
31.1 =	158863.7	140039.6	177687.8	144338.0	173389.3	.0284	.0369
31.2 =	159374.5	140533.9	178215.2	144836.1	173912.9	.0285	.0369
31.3 =	159885.3	141028.2	178742.4	145334.1	174436.4	.0285	.0369
31.4 =	160396.1	141522.7	179269.6	145832.4	174959.9	.0285	.0369
31.5 =	160906.9	142017.3	179796.6	146330.6	175483.2	.0285	.0370
31.6 =	161417.8	142511.9	180323.6	146829.0	176006.5	.0286	.0370
31.7 =	161928.6	143006.7	180850.4	147327.4	176529.7	.0286	.0370
31.8 =	162439.4	143501.6	181377.2	147825.9	177052.8	.0286	.0371
31.9 =	162950.2	143996.5	181903.9	148324.6	177575.9	.0286	.0371
32.0 =	163461.1	144491.7	182430.5	148823.3	178098.9	.0287	.0371
32.1 =	163971.8	144986.8	182956.9	149321.9	178621.7	.0287	.0372
32.2 =	164482.7	145482.1	183483.3	149820.8	179144.6	.0287	.0372
32.3 =	164993.4	145977.4	184009.4	150319.7	179667.2	.0287	.0372
32.4 =	165504.3	146472.9	184535.6	150818.7	180189.9	.0287	.0373
32.5 =	166015.1	146968.4	185061.7	151317.7	180712.4	.0288	.0373
32.6 =	166525.9	147464.1	185587.6	151816.8	181234.9	.0288	.0373
32.7 =	167036.8	147959.9	186113.6	152316.1	181757.4	.0288	.0373
32.8 =	167547.5	148455.8	186639.3	152815.3	182279.7	.0288	.0374
32.9 =	168058.4	148951.8	187165.0	153314.7	182802.1	.0289	.0374
33.0 =	168569.3	149447.9	187690.6	153814.2	183324.3	.0289	.0374
33.1 =	169080.0	149944.0	188216.0	154313.6	183846.3	.0289	.0375
33.2 =	169590.9	150440.3	188741.4	154813.3	184368.4	.0289	.0375
33.3 =	170101.6	150936.6	189266.6	155312.9	184890.3	.0290	.0375
33.4 =	170612.5	151433.1	189791.8	155812.6	185412.3	.0290	.0375
33.5 =	171123.3	151929.6	190316.9	156312.4	185934.1	.0290	.0376
33.6 =	171634.1	152426.3	190841.9	156812.3	186455.9	.0290	.0376
33.7 =	172144.9	152923.1	191366.8	157312.3	186977.6	.0290	.0376
33.8 =	172655.7	153419.8	191891.5	157812.3	187499.1	.0291	.0377
33.9 =	173166.6	153916.8	192416.3	158312.4	188020.7	.0291	.0377
34.0 =	173677.4	154413.9	192940.9	158812.6	188542.1	.0291	.0377
34.1 =	174188.2	154910.9	193465.4	159312.8	189063.5	.0291	.0377
34.2 =	174699.0	155408.2	193989.8	159813.2	189584.8	.0291	.0378
34.3 =	175209.8	155905.5	194514.1	160313.6	190106.0	.0292	.0378
34.4 =	175720.6	156402.9	195038.3	160814.1	190627.2	.0292	.0378
34.5 =	176231.4	156900.4	195562.4	161314.6	191148.2	.0292	.0378
34.6 =	176742.3	157398.0	196086.4	161815.2	191669.3	.0292	.0379
34.7 =	177253.1	157895.8	196610.4	162315.9	192190.2	.0292	.0379
34.8 =	177763.9	158393.5	197134.3	162816.7	192711.1	.0293	.0379

34.9 =	178274.7	158891.4	197658.0	163317.5	193231.9	.0293	.0379
35.0 =	178785.6	159389.4	198181.7	163818.5	193752.6	.0293	.0380
35.1 =	179296.3	159887.4	198705.2	164319.4	194273.2	.0293	.0380
35.2 =	179807.2	160385.6	199228.7	164820.5	194793.8	.0293	.0380
35.3 =	180317.9	160883.9	199752.0	165321.6	195314.3	.0294	.0380
35.4 =	180828.8	161382.3	200275.3	165822.8	195834.8	.0294	.0381
35.5 =	181339.6	161880.6	200798.4	166324.0	196355.1	.0294	.0381
35.6 =	181850.4	162379.2	201321.6	166825.4	196875.4	.0294	.0381
35.7 =	182361.3	162877.9	201844.6	167326.9	197395.6	.0294	.0381
35.8 =	182872.0	163376.6	202367.4	167828.3	197915.8	.0295	.0382
35.9 =	183382.9	163875.4	202890.3	168329.9	198435.8	.0295	.0382
36.0 =	183893.7	164374.3	203413.1	168831.5	198955.9	.0295	.0382
36.1 =	184404.5	164873.3	203935.6	169333.2	199475.8	.0295	.0382
36.2 =	184915.3	165372.4	204458.2	169835.0	199995.6	.0295	.0383
36.3 =	185426.1	165871.6	204980.6	170336.8	200515.4	.0295	.0383
36.4 =	185936.9	166370.9	205503.0	170838.7	201035.2	.0296	.0383
36.5 =	186447.8	166870.2	206025.2	171340.6	201554.8	.0296	.0383
36.6 =	186958.6	167369.7	206547.4	171842.8	202074.4	.0296	.0383
36.7 =	187469.4	167869.3	207069.6	172344.9	202593.9	.0296	.0384
36.8 =	187980.2	168368.9	207591.5	172847.1	203113.3	.0296	.0384
36.9 =	188491.0	168868.6	208113.4	173349.3	203632.7	.0296	.0384
37.0 =	189001.9	169368.4	208635.3	173851.7	204152.0	.0297	.0384
37.1 =	189512.6	169868.3	209156.9	174354.1	204671.2	.0297	.0385
37.2 =	190023.5	170368.4	209678.6	174856.6	205190.4	.0297	.0385
37.3 =	190534.3	170868.4	210200.1	175359.1	205709.4	.0297	.0385
37.4 =	191045.1	171368.6	210721.6	175861.7	206228.5	.0297	.0385
37.5 =	191555.9	171868.8	211242.9	176364.3	206747.4	.0297	.0385
37.6 =	192066.7	172369.3	211764.2	176867.1	207266.3	.0298	.0386
37.7 =	192577.6	172869.7	212285.4	177369.9	207785.2	.0298	.0386
37.8 =	193088.3	173370.2	212806.4	177872.8	208303.9	.0298	.0386
37.9 =	193599.2	173870.9	213327.4	178375.8	208822.6	.0298	.0386
38.0 =	194110.1	174371.6	213848.4	178878.8	209341.3	.0298	.0386
38.1 =	194620.8	174872.4	214369.2	179381.9	209859.7	.0298	.0387
38.2 =	195131.7	175373.3	214890.0	179885.1	210378.2	.0298	.0387
38.3 =	195642.4	175874.3	215410.6	180388.3	210896.6	.0299	.0387
38.4 =	196153.3	176375.3	215931.1	180891.6	211414.9	.0299	.0387
38.5 =	196664.1	176876.4	216451.6	181394.9	211933.1	.0299	.0387
38.6 =	197174.9	177377.8	216972.0	181898.4	212451.4	.0299	.0388
38.7 =	197685.8	177879.1	217492.3	182401.9	212969.6	.0299	.0388
38.8 =	198196.5	178380.5	218012.4	182905.4	213487.6	.0299	.0388
38.9 =	198707.4	178882.1	218532.6	183409.1	214005.6	.0299	.0388
39.0 =	199218.2	179383.7	219052.7	183912.8	214523.6	.0300	.0388
39.1 =	199728.9	179885.3	219572.6	184416.6	215041.3	.0300	.0388
39.2 =	200239.8	180387.1	220092.5	184920.4	215559.2	.0300	.0389
39.3 =	200750.6	180888.9	220612.2	185424.3	216076.8	.0300	.0389
39.4 =	201261.4	181390.9	221131.9	185928.3	216594.6	.0300	.0389
39.5 =	201772.2	181892.9	221651.4	186432.3	217112.1	.0300	.0389
39.6 =	202283.1	182395.1	222171.0	186936.4	217629.7	.0300	.0389
39.7 =	202793.9	182897.3	222690.4	187440.6	218147.1	.0301	.0390
39.8 =	203304.6	183399.6	223209.7	187944.8	218664.4	.0301	.0390
39.9 =	203815.5	183902.0	223729.0	188449.2	219181.8	.0301	.0390
40.0 =	204326.4	184404.5	224248.2	188953.6	219699.1	.0301	.0390
40.1 =	204837.1	184907.0	224767.3	189458.0	220216.3	.0301	.0390
40.2 =	205348.0	185409.7	225286.3	189962.5	220733.4	.0301	.0390
40.3 =	205858.8	185912.4	225805.1	190467.1	221250.4	.0301	.0390
40.4 =	206369.6	186415.2	226323.9	190971.8	221767.4	.0301	.0391
40.5 =	206880.3	186918.1	226842.6	191476.4	222284.3	.0302	.0391
40.6 =	207391.2	187421.1	227361.3	191981.2	222801.2	.0302	.0391
40.7 =	207902.1	187924.2	227879.9	192486.1	223318.0	.0302	.0391
40.8 =	208412.8	188427.3	228398.3	192990.9	223834.7	.0302	.0391

40.9 =	208923.7	188930.6	228916.8	193495.9	224351.4	.0302 .0391
41.0 =	209434.5	189433.9	229435.1	194001.0	224868.0	.0302 .0392
41.1 =	209945.3	189937.3	229953.3	194506.1	225384.5	.0302 .0392
41.2 =	210456.1	190440.9	230471.4	195011.3	225900.9	.0302 .0392
41.3 =	210966.9	190944.4	230989.4	195516.4	226417.3	.0302 .0392
41.4 =	211477.8	191448.1	231507.4	196021.8	226933.7	.0303 .0392
41.5 =	211988.5	191951.8	232025.2	196527.1	227449.9	.0303 .0392
41.6 =	212499.4	192455.7	232543.0	197032.6	227966.1	.0303 .0392
41.7 =	213010.2	192959.6	233060.8	197538.1	228482.3	.0303 .0393
41.8 =	213521.0	193463.6	233578.4	198043.6	228998.3	.0303 .0393
41.9 =	214031.8	193967.8	234095.9	198549.3	229514.3	.0303 .0393
42.0 =	214542.7	194471.9	234613.4	199055.0	230030.3	.0303 .0393
42.1 =	215053.4	194976.2	235130.7	199560.8	230546.1	.0303 .0393
42.2 =	215564.3	195480.5	235648.0	200066.6	231061.9	.0303 .0393
42.3 =	216075.1	195984.9	236165.2	200572.4	231577.6	.0303 .0393
42.4 =	216585.9	196489.5	236682.3	201078.4	232093.4	.0304 .0393
42.5 =	217096.7	196994.1	237199.3	201584.4	232608.9	.0304 .0394
42.6 =	217607.5	197498.8	237716.3	202090.6	233124.5	.0304 .0394
42.7 =	218118.4	198003.6	238233.1	202596.7	233640.0	.0304 .0394
42.8 =	218629.1	198508.4	238749.9	203102.9	234155.4	.0304 .0394
42.9 =	219140.0	199013.4	239266.6	203609.2	234670.8	.0304 .0394
43.0 =	219650.8	199518.4	239783.3	204115.6	235186.1	.0304 .0394
43.1 =	220161.6	200023.4	240299.7	204621.9	235701.3	.0304 .0394
43.2 =	220672.4	200528.7	240816.2	205128.4	236216.4	.0304 .0394
43.3 =	221183.3	201033.9	241332.5	205634.9	236731.5	.0304 .0394
43.4 =	221694.1	201539.3	241848.8	206141.6	237246.5	.0304 .0395
43.5 =	222204.8	202044.8	242364.9	206648.2	237761.4	.0305 .0395
43.6 =	222715.7	202550.3	242881.1	207155.0	238276.4	.0305 .0395
43.7 =	223226.5	203055.9	243397.1	207661.8	238791.2	.0305 .0395
43.8 =	223737.3	203561.5	243913.1	208168.6	239305.9	.0305 .0395
43.9 =	224248.1	204067.4	244428.9	208675.6	239820.7	.0305 .0395
44.0 =	224759.0	204573.3	244944.8	209182.6	240335.4	.0305 .0395
44.1 =	225269.8	205079.1	245460.4	209689.6	240849.9	.0305 .0395
44.2 =	225780.6	205585.2	245976.0	210196.8	241364.4	.0305 .0395
44.3 =	226291.4	206091.3	246491.5	210703.9	241878.8	.0305 .0395
44.4 =	226802.2	206597.4	247006.9	211211.1	242393.3	.0305 .0396
44.5 =	227313.0	207103.7	247522.3	211718.4	242907.5	.0305 .0396
44.6 =	227823.8	207610.1	248037.6	212225.8	243421.8	.0305 .0396
44.7 =	228334.7	208116.6	248552.8	212733.3	243936.1	.0305 .0396
44.8 =	228845.4	208623.1	249067.8	213240.8	244450.1	.0305 .0396
44.9 =	229356.3	209129.6	249582.9	213748.3	244964.3	.0306 .0396
45.0 =	229867.2	209636.4	250097.9	214256.1	245478.3	.0306 .0396
45.1 =	230377.9	210143.1	250612.7	214763.6	245992.1	.0306 .0396
45.2 =	230888.8	210650.0	251127.5	215271.5	246506.1	.0306 .0396
45.3 =	231399.5	211156.9	251642.2	215779.2	247019.8	.0306 .0396
45.4 =	231910.4	211663.9	252156.8	216287.2	247533.6	.0306 .0396
45.5 =	232421.1	212171.0	252671.3	216795.1	248047.3	.0306 .0396
45.6 =	232932.0	212679.2	253185.8	217303.1	248560.9	.0306 .0396
45.7 =	233442.9	213185.5	253700.2	217811.2	249074.5	.0306 .0397
45.8 =	233953.6	213692.8	254214.4	218319.3	249587.9	.0306 .0397
45.9 =	234464.5	214200.3	254728.7	218827.6	250101.4	.0306 .0397
46.0 =	234975.3	214707.8	255242.8	219335.8	250614.8	.0306 .0397
46.1 =	235486.1	215215.4	255756.8	219844.1	251128.1	.0306 .0397
46.2 =	235996.9	215723.1	256270.8	220352.6	251641.3	.0306 .0397
46.3 =	236507.7	216230.8	256784.6	220860.9	252154.4	.0306 .0397
46.4 =	237018.6	216738.7	257298.4	221369.5	252667.6	.0306 .0397
46.5 =	237529.3	217246.5	257812.1	221878.0	253180.6	.0306 .0397
46.6 =	238040.2	217754.6	258325.8	222386.8	253693.6	.0306 .0397
46.7 =	238551.0	218262.7	258839.3	222895.4	254206.6	.0306 .0397
46.8 =	239061.8	218770.8	259352.8	223404.2	254719.4	.0307 .0397

46.9 =	239572.6	219279.1	259866.2	223913.1	255232.2	.0307	.0397
47.0 =	240083.5	219787.4	260379.5	224421.9	255744.9	.0307	.0397
47.1 =	240594.3	220295.8	260892.7	224930.9	256257.6	.0307	.0397
47.2 =	241105.1	220804.3	261405.8	225439.9	256770.3	.0307	.0397
47.3 =	241615.9	221312.9	261918.9	225949.0	257282.7	.0307	.0397
47.4 =	242126.7	221821.6	262431.9	226458.2	257795.3	.0307	.0398
47.5 =	242637.5	222330.3	262944.7	226967.3	258307.6	.0307	.0398
47.6 =	243148.3	222839.1	263457.5	227476.6	258820.0	.0307	.0398
47.7 =	243659.2	223348.0	263970.3	227986.0	259332.3	.0307	.0398
47.8 =	244169.9	223857.0	264482.9	228495.4	259844.5	.0307	.0398
47.9 =	244680.8	224366.1	264995.5	229004.9	260356.7	.0307	.0398
48.0 =	245191.6	224875.3	265508.0	229514.4	260868.8	.0307	.0398
48.1 =	245702.4	225384.4	266020.4	230023.9	261380.8	.0307	.0398
48.2 =	246213.3	225893.8	266532.8	230533.6	261892.8	.0307	.0398
48.3 =	246724.0	226403.1	267044.9	231043.3	262404.7	.0307	.0398
48.4 =	247234.9	226912.6	267557.1	231553.1	262916.6	.0307	.0398
48.5 =	247745.6	227422.1	268069.1	232062.9	263428.3	.0307	.0398
48.6 =	248256.5	227931.8	268581.2	232572.9	263940.1	.0307	.0398
48.7 =	248767.3	228441.5	269093.1	233082.9	264451.8	.0307	.0398
48.8 =	249278.1	228951.3	269604.9	233592.8	264963.3	.0307	.0398
48.9 =	249788.9	229461.2	270116.7	234102.9	265474.9	.0307	.0398
49.0 =	250299.8	229971.2	270628.4	234613.1	265986.4	.0307	.0398
49.1 =	250810.6	230481.2	271139.9	235123.3	266497.8	.0307	.0398
49.2 =	251321.4	230991.3	271651.4	235633.6	267009.1	.0307	.0398
49.3 =	251832.2	231501.5	272162.8	236143.9	267520.4	.0307	.0398
49.4 =	252343.0	232011.8	272674.2	236654.4	268031.6	.0307	.0398
49.5 =	252853.8	232522.1	273185.4	237164.8	268542.8	.0307	.0398
49.6 =	253364.6	233032.6	273696.6	237675.4	269053.9	.0307	.0398
49.7 =	253875.5	233543.2	274207.8	238186.0	269564.9	.0307	.0398
49.8 =	254386.3	234053.8	274718.8	238696.6	270075.9	.0307	.0398
49.9 =	254897.1	234564.4	275229.7	239207.4	270586.8	.0307	.0398
50.0 =	255408.0	235075.3	275740.6	239718.2	271097.7	.0307	.0398
50.1 =	255918.7	235586.1	276251.3	240229.0	271608.4	.0307	.0398
50.2 =	256429.6	236097.1	276762.1	240739.9	272119.2	.0307	.0398
50.3 =	256940.3	236608.1	277272.6	241250.8	272629.8	.0307	.0398
50.4 =	257451.2	237119.1	277783.2	241761.9	273140.4	.0307	.0398
50.5 =	257961.9	237630.3	278293.6	242273.0	273650.9	.0307	.0398
50.6 =	258472.8	238141.6	278803.9	242784.1	274161.4	.0307	.0398
50.7 =	258983.7	238653.0	279314.3	243295.4	274671.9	.0307	.0398
50.8 =	259494.4	239164.3	279824.4	243806.6	275182.1	.0307	.0398
50.9 =	260005.3	239675.9	280334.6	244318.0	275692.4	.0307	.0398
51.0 =	260516.1	240187.5	280844.7	244829.5	276202.8	.0307	.0398
51.1 =	261026.9	240699.1	281354.6	245340.9	276712.8	.0307	.0398
51.2 =	261537.8	241210.9	281864.5	245852.5	277223.0	.0307	.0398
51.3 =	262048.5	241722.7	282374.3	246364.0	277732.9	.0307	.0398
51.4 =	262559.4	242234.6	282884.1	246875.8	278242.9	.0307	.0398
51.5 =	263070.1	242746.6	283393.6	247387.4	278752.8	.0307	.0398
51.6 =	263580.9	243258.7	283903.2	247899.3	279262.7	.0307	.0398
51.7 =	264091.8	243770.9	284412.7	248411.1	279772.5	.0307	.0398
51.8 =	264602.6	244283.1	284922.1	248923.0	280282.1	.0307	.0398
51.9 =	265113.4	244795.4	285431.4	249435.0	280791.9	.0307	.0398
52.0 =	265624.3	245307.9	285940.6	249947.1	281301.5	.0307	.0398
52.1 =	266135.1	245820.3	286449.8	250459.1	281811.0	.0307	.0398
52.2 =	266645.9	246332.9	286958.8	250971.3	282320.4	.0307	.0398
52.3 =	267156.6	246845.5	287467.8	251483.5	282829.8	.0307	.0398
52.4 =	267667.5	247358.3	287976.7	251995.8	283339.2	.0307	.0398
52.5 =	268178.3	247871.0	288485.5	252508.1	283848.4	.0307	.0398
52.6 =	268689.1	248383.9	288994.3	253020.6	284357.6	.0307	.0398
52.7 =	269200.0	248896.9	289502.9	253533.1	284866.8	.0307	.0397
52.8 =	269710.8	249410.0	290011.5	254045.6	285375.9	.0307	.0397

52.9 =	270221.6	249923.1	290520.0	254558.3	285884.9	.0307	.0397
53.0 =	270732.4	250436.4	291028.4	255070.9	286393.9	.0307	.0397
53.1 =	271243.2	250949.6	291536.8	255583.6	286902.8	.0307	.0397
53.2 =	271754.1	251463.1	292045.0	256096.4	287411.6	.0307	.0397
53.3 =	272264.8	251976.5	292553.1	256609.3	287920.4	.0306	.0397
53.4 =	272775.7	252490.1	293061.3	257122.3	288429.1	.0306	.0397
53.5 =	273286.4	253003.7	293569.2	257635.2	288937.7	.0306	.0397
53.6 =	273797.3	253517.4	294077.2	258148.3	289446.3	.0306	.0397
53.7 =	274308.1	254031.2	294585.1	258661.4	289954.9	.0306	.0397
53.8 =	274818.9	254545.1	295092.8	259174.5	290463.3	.0306	.0397
53.9 =	275329.8	255059.0	295600.4	259687.8	290971.7	.0306	.0397
54.0 =	275840.6	255573.1	296108.1	260201.1	291480.1	.0306	.0397
54.1 =	276351.4	256087.2	296615.6	260714.4	291988.3	.0306	.0397
54.2 =	276862.2	256601.4	297123.0	261227.9	292496.5	.0306	.0397
54.3 =	277373.0	257115.6	297630.3	261741.3	293004.6	.0306	.0397
54.4 =	277883.8	257630.0	298137.6	262254.9	293512.7	.0306	.0396
54.5 =	278394.6	258144.4	298644.8	262768.5	294020.7	.0306	.0396
54.6 =	278905.4	258659.0	299151.9	263282.2	294528.7	.0306	.0396
54.7 =	279416.3	259173.6	299658.9	263795.9	295036.6	.0306	.0396
54.8 =	279927.1	259688.3	300165.8	264309.8	295544.3	.0306	.0396
54.9 =	280437.9	260203.1	300672.7	264823.6	296052.1	.0306	.0396
55.0 =	280948.8	260718.0	301179.5	265337.6	296559.8	.0306	.0396
55.1 =	281459.5	261232.9	301686.1	265851.6	297067.4	.0306	.0396
55.2 =	281970.4	261747.9	302192.8	266365.7	297575.1	.0305	.0396
55.3 =	282481.1	262263.0	302699.3	266879.8	298082.5	.0305	.0396
55.4 =	282992.0	262778.3	303205.7	267394.0	298589.9	.0305	.0396
55.5 =	283502.8	263293.5	303712.0	267908.2	299097.3	.0305	.0396
55.6 =	284013.6	263808.9	304218.3	268422.6	299604.6	.0305	.0396
55.7 =	284524.4	264324.3	304724.6	268936.9	300111.9	.0305	.0395
55.8 =	285035.3	264839.8	305230.6	269451.4	300619.1	.0305	.0395
55.9 =	285546.1	265355.4	305736.7	269965.9	301126.2	.0305	.0395
56.0 =	286056.9	265871.1	306242.6	270480.5	301633.3	.0305	.0395
56.1 =	286567.7	266386.9	306748.4	270995.1	302140.3	.0305	.0395
56.2 =	287078.5	266902.8	307254.3	271509.8	302647.2	.0305	.0395
56.3 =	287589.3	267418.7	307759.9	272024.6	303154.0	.0305	.0395
56.4 =	288100.1	267934.8	308265.5	272539.4	303660.8	.0305	.0395
56.5 =	288610.9	268450.8	308771.1	273054.3	304167.6	.0305	.0395
56.6 =	289121.8	268967.0	309276.5	273569.3	304674.2	.0304	.0395
56.7 =	289632.6	269483.3	309781.9	274084.3	305180.9	.0304	.0394
56.8 =	290143.4	269999.6	310287.1	274599.4	305687.4	.0304	.0394
56.9 =	290654.2	270516.1	310792.3	275114.6	306193.9	.0304	.0394
57.0 =	291165.1	271032.6	311297.5	275629.8	306700.3	.0304	.0394
57.1 =	291675.8	271549.2	311802.4	276145.0	307206.6	.0304	.0394
57.2 =	292186.7	272065.9	312307.4	276660.4	307712.9	.0304	.0394
57.3 =	292697.4	272582.6	312812.3	277175.8	308219.1	.0304	.0394
57.4 =	293208.3	273099.6	313317.0	277691.3	308725.3	.0304	.0394
57.5 =	293719.1	273616.4	313821.7	278206.8	309231.3	.0304	.0394
57.6 =	294229.9	274133.5	314326.3	278722.4	309737.4	.0304	.0393
57.7 =	294740.8	274650.7	314830.9	279238.2	310243.4	.0303	.0393
57.8 =	295251.5	275167.8	315335.3	279753.9	310749.2	.0303	.0393
57.9 =	295762.4	275685.1	315839.6	280269.7	311255.1	.0303	.0393
58.0 =	296273.3	276202.5	316343.9	280785.6	311760.9	.0303	.0393
58.1 =	296784.0	276719.9	316848.1	281301.5	312266.5	.0303	.0393
58.2 =	297294.9	277237.4	317352.3	281817.5	312772.2	.0303	.0393
58.3 =	297805.6	277755.1	317856.1	282333.5	313277.7	.0303	.0393
58.4 =	298316.5	278272.8	318360.1	282849.7	313783.3	.0303	.0392
58.5 =	298827.3	278790.5	318863.9	283365.8	314288.6	.0303	.0392
58.6 =	299338.1	279308.4	319367.8	283882.1	314794.1	.0303	.0392
58.7 =	299848.9	279826.4	319871.4	284398.5	315299.4	.0302	.0392
58.8 =	300359.7	280344.4	320374.9	284914.8	315804.5	.0302	.0392

58.9 =	300870.6	280862.6	320878.5	285431.3	316309.8	.0302	.0392
59.0 =	301381.4	281380.8	321381.9	285947.9	316814.9	.0302	.0392
59.1 =	301892.2	281899.1	321885.3	286464.4	317319.9	.0302	.0391
59.2 =	302403.0	282417.5	322388.5	286981.1	317824.9	.0302	.0391
59.3 =	302913.8	282935.9	322891.6	287497.8	318329.8	.0302	.0391
59.4 =	303424.6	283454.5	323394.8	288014.6	318834.6	.0302	.0391
59.5 =	303935.4	283973.1	323897.7	288531.4	319339.4	.0302	.0391
59.6 =	304446.3	284491.9	324400.6	289048.4	319844.1	.0301	.0391
59.7 =	304957.1	285010.7	324903.4	289565.4	320348.8	.0301	.0390
59.8 =	305467.9	285529.6	325406.1	290082.4	320853.3	.0301	.0390
59.9 =	305978.7	286048.6	325908.8	290599.6	321357.8	.0301	.0390
60.0 =	306489.6	286567.7	326411.4	291116.8	321862.3	.0301	.0390
60.1 =	307000.3	287086.8	326913.8	291634.0	322366.6	.0301	.0390
60.2 =	307511.2	287606.1	327416.3	292151.3	322871.0	.0301	.0390
60.3 =	308021.9	288125.4	327918.5	292668.7	323375.2	.0301	.0390
60.4 =	308532.8	288644.8	328420.8	293186.2	323879.4	.0300	.0389
60.5 =	309043.6	289164.3	328922.8	293703.6	324383.5	.0300	.0389
60.6 =	309554.4	289683.9	329424.9	294221.3	324887.5	.0300	.0389
60.7 =	310065.3	290203.6	329926.9	294738.9	325391.5	.0300	.0389
60.8 =	310576.0	290723.3	330428.7	295256.6	325895.4	.0300	.0389
60.9 =	311086.9	291243.2	330930.5	295774.4	326399.3	.0300	.0388
61.0 =	311597.7	291763.2	331432.2	296292.3	326903.1	.0300	.0388
61.1 =	312108.5	292283.2	331933.8	296810.2	327406.8	.0299	.0388
61.2 =	312619.3	292803.3	332435.3	297328.3	327910.4	.0299	.0388
61.3 =	313130.1	293323.5	332936.7	297846.3	328413.9	.0299	.0388
61.4 =	313640.9	293843.8	333438.1	298364.4	328917.4	.0299	.0388
61.5 =	314151.8	294364.1	333939.3	298882.6	329420.8	.0299	.0387
61.6 =	314662.6	294884.6	334440.4	299400.9	329924.2	.0299	.0387
61.7 =	315173.4	295405.3	334941.6	299919.3	330427.6	.0299	.0387
61.8 =	315684.2	295925.8	335442.5	300437.6	330930.8	.0298	.0387
61.9 =	316195.0	296446.6	335943.4	300956.1	331433.9	.0298	.0387
62.0 =	316705.9	296967.4	336444.3	301474.6	331937.1	.0298	.0386
62.1 =	317216.6	297488.3	336944.9	301993.3	332440.0	.0298	.0386
62.2 =	317727.5	298009.4	337445.6	302511.9	332943.0	.0298	.0386
62.3 =	318238.3	298530.4	337946.1	303030.6	333445.9	.0298	.0386
62.4 =	318749.1	299051.6	338446.6	303549.4	333948.7	.0298	.0386
62.5 =	319259.9	299572.8	338946.9	304068.3	334451.4	.0297	.0385
62.6 =	319770.7	300094.2	339447.2	304587.3	334954.1	.0297	.0385
62.7 =	320281.6	300615.7	339947.4	305106.3	335456.8	.0297	.0385
62.8 =	320792.3	301137.2	340447.4	305625.4	335959.3	.0297	.0385
62.9 =	321303.2	301658.9	340947.4	306144.6	336461.8	.0297	.0385
63.0 =	321814.1	302180.6	341447.4	306663.9	336964.2	.0297	.0384
63.1 =	322324.8	302702.4	341947.2	307183.1	337466.4	.0296	.0384
63.2 =	322835.7	303224.4	342447.0	307702.5	337968.8	.0296	.0384
63.3 =	323346.4	303746.3	342946.6	308221.9	338470.9	.0296	.0384
63.4 =	323857.3	304268.4	343446.1	308741.4	338973.1	.0296	.0383
63.5 =	324368.1	304790.5	343945.6	309260.9	339475.1	.0296	.0383
63.6 =	324878.9	305312.8	344444.9	309780.6	339977.1	.0296	.0383
63.7 =	325389.8	305835.2	344944.3	310300.4	340479.1	.0295	.0383
63.8 =	325900.5	306357.6	345443.4	310820.1	340980.8	.0295	.0383
63.9 =	326411.4	306880.2	345942.5	311340.1	341482.6	.0295	.0382
64.0 =	326922.2	307402.8	346441.6	311860.0	341984.4	.0295	.0382
64.1 =	327432.9	307925.5	346940.4	312379.9	342485.9	.0295	.0382
64.2 =	327943.8	308448.4	347439.3	312900.1	342987.6	.0295	.0382
64.3 =	328454.6	308971.2	347937.9	313420.2	343488.9	.0294	.0381
64.4 =	328965.4	309494.3	348436.6	313940.4	343990.4	.0294	.0381
64.5 =	329476.2	310017.3	348935.1	314460.6	344491.7	.0294	.0381
64.6 =	329987.1	310540.5	349433.6	314981.1	344993.0	.0294	.0381
64.7 =	330497.9	311063.8	349931.9	315501.5	345494.3	.0294	.0380
64.8 =	331008.6	311587.1	350430.1	316021.9	345995.3	.0293	.0380

64.9 =	331519.5	312110.6	350928.4	316542.6	346496.4	.0293	.0380
65.0 =	332030.4	312634.2	351426.5	317063.3	346997.4	.0293	.0380
65.1 =	332541.1	313157.8	351924.4	317583.9	347498.3	.0293	.0379
65.2 =	333052.0	313681.6	352422.3	318104.8	347999.2	.0293	.0379
65.3 =	333562.8	314205.4	352920.1	318625.6	348499.9	.0292	.0379
65.4 =	334073.6	314729.4	353417.8	319146.6	349000.6	.0292	.0379
65.5 =	334584.3	315253.3	353915.3	319667.5	349501.1	.0292	.0378
65.6 =	335095.2	315777.5	354412.9	320188.6	350001.8	.0292	.0378
65.7 =	335606.1	316301.8	354910.3	320709.8	350502.3	.0292	.0378
65.8 =	336116.8	316826.0	355407.6	321231.0	351002.6	.0291	.0378
65.9 =	336627.7	317350.4	355904.9	321752.3	351503.0	.0291	.0377
66.0 =	337138.5	317874.9	356402.0	322273.8	352003.3	.0291	.0377
66.1 =	337649.3	318399.6	356899.0	322795.1	352503.4	.0291	.0377
66.2 =	338160.1	318924.3	357396.0	323316.7	353003.6	.0291	.0377
66.3 =	338670.9	319449.0	357892.8	323838.3	353503.6	.0290	.0376
66.4 =	339181.8	319973.9	358389.6	324359.9	354003.5	.0290	.0376
66.5 =	339692.5	320498.9	358886.2	324881.7	354503.4	.0290	.0376
66.6 =	340203.4	321024.0	359382.8	325403.6	355003.2	.0290	.0375
66.7 =	340714.2	321549.2	359879.3	325925.4	355502.9	.0290	.0375
66.8 =	341225.0	322074.4	360375.6	326447.4	356002.6	.0289	.0375
66.9 =	341735.8	322599.8	360871.8	326969.4	356502.2	.0289	.0375
67.0 =	342246.7	323125.3	361368.0	327491.6	357001.7	.0289	.0374
67.1 =	342757.4	323650.8	361864.1	328013.8	357501.1	.0289	.0374
67.2 =	343268.3	324176.5	362360.0	328536.1	358000.5	.0288	.0374
67.3 =	343779.1	324702.3	362855.9	329058.4	358499.8	.0288	.0373
67.4 =	344289.9	325228.1	363351.6	329580.8	358999.0	.0288	.0373
67.5 =	344800.7	325754.1	363847.3	330103.3	359498.1	.0288	.0373
67.6 =	345311.5	326280.1	364342.9	330625.9	359997.1	.0287	.0373
67.7 =	345822.4	326806.3	364838.4	331148.6	360496.1	.0287	.0372
67.8 =	346333.1	327332.6	365333.7	331671.3	360995.0	.0287	.0372
67.9 =	346844.0	327858.9	365829.0	332194.1	361493.8	.0287	.0372
68.0 =	347354.8	328385.4	366324.3	332717.0	361992.6	.0287	.0371
68.1 =	347865.6	328911.9	366819.3	333239.9	362491.3	.0286	.0371
68.2 =	348376.4	329438.6	367314.3	333763.0	362989.9	.0286	.0371
68.3 =	348887.3	329965.3	367809.1	334286.1	363488.3	.0286	.0370
68.4 =	349398.1	330492.2	368303.9	334809.3	363986.8	.0286	.0370
68.5 =	349908.8	331019.1	368798.5	335332.6	364485.1	.0285	.0370
68.6 =	350419.7	331546.2	369293.1	335855.9	364983.4	.0285	.0369
68.7 =	350930.5	332073.4	369787.6	336379.4	365481.6	.0285	.0369
68.8 =	351441.3	332600.6	370281.9	336902.8	365979.8	.0285	.0369
68.9 =	351952.1	333128.1	370776.2	337426.4	366477.8	.0284	.0369
69.0 =	352463.0	333655.6	371270.4	337950.2	366975.8	.0284	.0368
69.1 =	352973.8	334183.1	371764.4	338473.9	367473.6	.0284	.0368
69.2 =	353484.6	334710.8	372258.4	338997.7	367971.4	.0284	.0368
69.3 =	353995.4	335238.5	372752.3	339521.6	368469.1	.0283	.0367
69.4 =	354506.2	335766.4	373246.0	340045.6	368966.8	.0283	.0367
69.5 =	355017.0	336294.4	373739.6	340569.6	369464.3	.0283	.0367
69.6 =	355527.8	336822.5	374233.2	341093.8	369961.9	.0283	.0366
69.7 =	356038.7	337350.8	374726.6	341618.1	370459.3	.0282	.0366
69.8 =	356549.4	337878.9	375219.9	342142.3	370956.6	.0282	.0366
69.9 =	357060.3	338407.4	375713.2	342666.7	371453.8	.0282	.0365
70.0 =	357571.2	338935.9	376206.4	343191.3	371951.1	.0282	.0365
70.1 =	358081.9	339464.5	376699.3	343715.8	372448.1	.0281	.0364
70.2 =	358592.8	339993.3	377192.3	344240.4	372945.1	.0281	.0364
70.3 =	359103.5	340522.0	377685.0	344765.1	373442.0	.0281	.0364
70.4 =	359614.4	341051.1	378177.8	345289.9	373938.9	.0280	.0363
70.5 =	360125.1	341580.0	378670.3	345814.8	374435.6	.0280	.0363
70.6 =	360636.0	342109.2	379162.8	346339.8	374932.3	.0280	.0363
70.7 =	361146.9	342638.5	379655.2	346864.8	375428.9	.0280	.0362
70.8 =	361657.6	343167.8	380147.4	347389.9	375925.3	.0279	.0362

70.9 =	362168.5	343697.3	380639.6	347915.1	376421.8	.0279	.0362
71.0 =	362679.3	344226.9	381131.7	348440.5	376918.1	.0279	.0361
71.1 =	363190.1	344756.6	381623.6	348965.8	377414.4	.0278	.0361
71.2 =	363700.9	345286.4	382115.4	349491.3	377910.6	.0278	.0360
71.3 =	364211.7	345816.3	382607.1	350016.8	378406.6	.0278	.0360
71.4 =	364722.6	346346.3	383098.8	350542.5	378902.6	.0278	.0360
71.5 =	365233.3	346876.4	383590.2	351068.1	379398.5	.0277	.0359
71.6 =	365744.2	347406.7	384081.6	351594.0	379894.4	.0277	.0359
71.7 =	366255.0	347937.0	384572.9	352119.9	380390.1	.0277	.0359
71.8 =	366765.8	348467.5	385064.1	352645.8	380885.8	.0276	.0358
71.9 =	367276.6	348998.1	385555.2	353171.9	381381.3	.0276	.0358
72.0 =	367787.5	349528.8	386046.1	353698.1	381876.8	.0276	.0357
72.1 =	368298.3	350059.5	386536.9	354224.3	382372.2	.0276	.0357
72.2 =	368809.1	350590.4	387027.7	354750.6	382867.6	.0275	.0357
72.3 =	369319.9	351121.4	387518.3	355277.0	383362.7	.0275	.0356
72.4 =	369830.7	351652.6	388008.8	355803.6	383857.9	.0275	.0356
72.5 =	370341.5	352183.8	388499.1	356330.1	384352.9	.0274	.0355
72.6 =	370852.3	352715.2	388989.4	356856.8	384847.9	.0274	.0355
72.7 =	371363.2	353246.7	389479.6	357383.6	385342.8	.0274	.0355
72.8 =	371873.9	353778.3	389969.6	357910.4	385837.5	.0273	.0354
72.9 =	372384.8	354310.0	390459.6	358437.3	386332.3	.0273	.0354
73.0 =	372895.6	354841.9	390949.4	358964.4	386826.9	.0273	.0353
73.1 =	373406.4	355373.8	391439.0	359491.4	387321.3	.0272	.0353
73.2 =	373917.3	355905.8	391928.6	360018.7	387815.8	.0272	.0353
73.3 =	374428.0	356438.0	392418.1	360545.9	388310.1	.0272	.0352
73.4 =	374938.9	356970.3	392907.4	361073.4	388804.3	.0271	.0352
73.5 =	375449.6	357502.7	393396.6	361600.8	389298.4	.0271	.0351
73.6 =	375960.5	358035.2	393885.8	362128.4	389792.6	.0271	.0351
73.7 =	376471.3	358567.9	394374.8	362656.1	390286.6	.0270	.0350
73.8 =	376982.1	359100.6	394863.6	363183.8	390780.4	.0270	.0350
73.9 =	377492.9	359633.5	395352.3	363711.7	391274.2	.0270	.0350
74.0 =	378003.8	360166.6	395841.0	364239.6	391767.9	.0269	.0349
74.1 =	378514.6	360699.6	396329.4	364767.6	392261.5	.0269	.0349
74.2 =	379025.4	361232.9	396817.8	365295.8	392755.0	.0269	.0348
74.3 =	379536.2	361766.3	397306.1	365823.9	393248.4	.0268	.0348
74.4 =	380047.0	362299.8	397794.3	366352.3	393741.8	.0268	.0347
74.5 =	380557.8	362833.4	398282.3	366880.7	394234.9	.0268	.0347
74.6 =	381068.6	363367.1	398770.2	367409.2	394728.1	.0267	.0347
74.7 =	381579.5	363901.0	399257.9	367937.8	395221.1	.0267	.0346
74.8 =	382090.3	364434.9	399745.6	368466.5	395714.0	.0267	.0346
74.9 =	382601.1	364969.1	400233.1	368995.3	396206.9	.0266	.0345
75.0 =	383112.0	365503.3	400720.6	369524.3	396699.7	.0266	.0345
75.1 =	383622.7	366037.6	401207.8	370053.1	397192.3	.0266	.0344
75.2 =	384133.6	366572.1	401694.9	370582.3	397684.9	.0265	.0344
75.3 =	384644.3	367106.7	402181.9	371111.4	398177.3	.0265	.0343
75.4 =	385155.2	367641.5	402668.8	371640.7	398669.7	.0265	.0343
75.5 =	385665.9	368176.3	403155.6	372170.0	399161.9	.0264	.0342
75.6 =	386176.8	368711.3	403642.3	372699.5	399654.1	.0264	.0342
75.7 =	386687.7	369246.5	404128.8	373229.1	400146.2	.0263	.0341
75.8 =	387198.4	369781.7	404615.1	373758.7	400638.1	.0263	.0341
75.9 =	387709.3	370317.1	405101.4	374288.5	401129.9	.0263	.0340
76.0 =	388220.1	370852.6	405587.6	374818.4	401621.8	.0262	.0340
76.1 =	388730.9	371388.2	406073.5	375348.4	402113.4	.0262	.0340
76.2 =	389241.8	371924.1	406559.4	375878.4	402605.0	.0262	.0339
76.3 =	389752.5	372459.9	407045.1	376408.6	403096.4	.0261	.0339
76.4 =	390263.4	372995.9	407530.8	376938.9	403587.8	.0261	.0338
76.5 =	390774.1	373532.1	408016.2	377469.2	404079.0	.0260	.0338
76.6 =	391284.9	374068.4	408501.5	377999.7	404570.2	.0260	.0337
76.7 =	391795.8	374604.9	408986.8	378530.4	405061.3	.0260	.0337
76.8 =	392306.6	375141.3	409471.8	379060.9	405552.1	.0259	.0336

76.9 =	392817.4	375678.1	409956.8	379591.8	406043.1	.0259	.0336
77.0 =	393328.3	376214.9	410441.6	380122.8	406533.8	.0259	.0335
77.1 =	393839.1	376751.9	410926.2	380653.7	407024.4	.0258	.0335
77.2 =	394349.9	377289.1	411410.8	381184.8	407514.9	.0258	.0334
77.3 =	394860.6	377826.2	411895.1	381716.0	408005.3	.0257	.0333
77.4 =	395371.5	378363.7	412379.3	382247.4	408495.7	.0257	.0333
77.5 =	395882.3	378901.1	412863.4	382778.7	408985.8	.0257	.0332
77.6 =	396393.1	379438.8	413347.4	383310.3	409475.9	.0256	.0332
77.7 =	396904.0	379976.7	413831.3	383841.9	409965.9	.0256	.0331
77.8 =	397414.8	380514.6	414314.9	384373.7	410455.8	.0255	.0331
77.9 =	397925.6	381052.7	414798.4	384905.6	410945.6	.0255	.0330
78.0 =	398436.4	381590.9	415281.9	385437.6	411435.3	.0254	.0330
78.1 =	398947.2	382129.3	415765.1	385969.6	411924.8	.0254	.0329
78.2 =	399458.1	382667.8	416248.3	386501.8	412414.3	.0254	.0329
78.3 =	399968.8	383206.5	416731.2	387034.1	412903.6	.0253	.0328
78.4 =	400479.7	383745.3	417214.0	387566.5	413392.8	.0253	.0328
78.5 =	400990.4	384284.2	417696.7	388099.1	413881.9	.0252	.0327
78.6 =	401501.3	384823.3	418179.2	388631.7	414370.9	.0252	.0326
78.7 =	402012.1	385362.6	418661.6	389164.4	414859.8	.0252	.0326
78.8 =	402522.9	385901.9	419143.8	389697.3	415348.5	.0251	.0325
78.9 =	403033.8	386441.6	419625.9	390230.3	415837.2	.0251	.0325
79.0 =	403544.6	386981.3	420107.9	390763.4	416325.8	.0250	.0324
79.1 =	404055.4	387521.1	420589.6	391296.6	416814.1	.0250	.0324
79.2 =	404566.2	388061.1	421071.3	391830.0	417302.4	.0249	.0323
79.3 =	405077.0	388601.2	421552.8	392363.4	417790.6	.0249	.0323
79.4 =	405587.8	389141.5	422034.1	392896.9	418278.7	.0248	.0322
79.5 =	406098.6	389681.9	422515.3	393430.6	418766.6	.0248	.0321
79.6 =	406609.4	390222.6	422996.3	393964.4	419254.4	.0248	.0321
79.7 =	407120.3	390763.4	423477.2	394498.4	419742.1	.0247	.0320
79.8 =	407631.1	391304.3	423957.9	395032.4	420229.7	.0247	.0320
79.9 =	408141.9	391845.3	424438.4	395566.6	420717.2	.0246	.0319
80.0 =	408652.8	392386.6	424918.9	396100.9	421204.6	.0246	.0318
80.1 =	409163.5	392927.9	425399.1	396635.3	421691.8	.0245	.0318
80.2 =	409674.4	393469.5	425879.2	397169.8	422178.9	.0245	.0317
80.3 =	410185.1	394011.2	426359.1	397704.4	422665.8	.0244	.0317
80.4 =	410696.0	394553.1	426838.8	398239.3	423152.6	.0244	.0316
80.5 =	411206.8	395095.1	427318.4	398774.1	423639.3	.0243	.0315
80.6 =	411717.6	395637.4	427797.8	399309.3	424126.0	.0243	.0315
80.7 =	412228.4	396179.8	428277.1	399844.4	424612.4	.0242	.0314
80.8 =	412739.3	396722.3	428756.2	400379.6	425098.8	.0242	.0314
80.9 =	413250.1	397264.9	429235.1	400915.1	425585.0	.0241	.0313
81.0 =	413760.9	397807.9	429713.9	401450.7	426071.1	.0241	.0312
81.1 =	414271.7	398350.9	430192.5	401986.3	426557.0	.0241	.0312
81.2 =	414782.5	398894.1	430670.9	402522.1	427042.9	.0240	.0311
81.3 =	415293.3	399437.4	431149.1	403058.1	427528.5	.0240	.0310
81.4 =	415804.1	399981.0	431627.3	403594.1	428014.1	.0239	.0310
81.5 =	416314.9	400524.6	432105.2	404130.3	428499.5	.0239	.0309
81.6 =	416825.8	401068.6	432582.9	404666.7	428984.8	.0238	.0308
81.7 =	417336.6	401612.7	433060.5	405203.2	429470.0	.0238	.0308
81.8 =	417847.4	402156.9	433537.9	405739.8	429955.0	.0237	.0307
81.9 =	418358.2	402701.3	434015.1	406276.5	430439.9	.0237	.0307
82.0 =	418869.1	403245.9	434492.2	406813.4	430924.7	.0236	.0306
82.1 =	419379.8	403790.7	434969.0	407350.4	431409.3	.0235	.0305
82.2 =	419890.7	404335.7	435445.7	407887.6	431893.8	.0235	.0305
82.3 =	420401.4	404880.8	435922.1	408424.9	432378.0	.0234	.0304
82.4 =	420912.3	405426.1	436398.4	408962.3	432862.3	.0234	.0303
82.5 =	421423.1	405971.6	436874.6	409499.9	433346.3	.0233	.0302
82.6 =	421933.9	406517.3	437350.5	410037.6	433830.2	.0233	.0302
82.7 =	422444.8	407063.3	437826.3	410575.6	434314.0	.0232	.0301
82.8 =	422955.5	407609.2	438301.8	411113.5	434797.5	.0232	.0300

82.9 =	423466.4	408155.5	438777.3	411651.7	435281.1	.0231	.0300
83.0 =	423977.3	408702.0	439252.4	412190.1	435764.4	.0231	.0299
83.1 =	424488.0	409248.6	439727.4	412728.4	436247.5	.0230	.0298
83.2 =	424998.9	409795.4	440202.3	413267.1	436730.6	.0230	.0298
83.3 =	425509.6	410342.4	440676.8	413805.8	437213.4	.0229	.0297
83.4 =	426020.5	410889.7	441151.3	414344.8	437696.2	.0229	.0296
83.5 =	426531.3	411437.1	441625.4	414883.8	438178.7	.0228	.0295
83.6 =	427042.1	411984.7	442099.4	415423.0	438661.2	.0227	.0295
83.7 =	427552.9	412532.6	442573.3	415962.4	439143.4	.0227	.0294
83.8 =	428063.7	413080.5	443046.8	416501.9	439625.5	.0226	.0293
83.9 =	428574.6	413628.8	443520.3	417041.6	440107.5	.0226	.0293
84.0 =	429085.4	414177.3	443993.5	417581.4	440589.3	.0225	.0292
84.1 =	429596.2	414725.8	444466.5	418121.4	441070.9	.0225	.0291
84.2 =	430107.0	415274.7	444939.3	418661.6	441552.4	.0224	.0290
84.3 =	430617.8	415823.7	445411.9	419201.9	442033.7	.0223	.0290
84.4 =	431128.6	416373.0	445884.3	419742.4	442514.8	.0223	.0289
84.5 =	431639.4	416922.4	446356.3	420282.9	442995.8	.0222	.0288
84.6 =	432150.3	417472.1	446828.3	420823.9	443476.6	.0222	.0287
84.7 =	432661.1	418022.1	447300.1	421364.8	443957.3	.0221	.0287
84.8 =	433171.9	418572.2	447771.6	421905.9	444437.8	.0221	.0286
84.9 =	433682.7	419122.5	448242.9	422447.3	444918.1	.0220	.0285
85.0 =	434193.6	419673.1	448714.0	422988.8	445398.3	.0219	.0284
85.1 =	434704.3	420223.9	449184.8	423530.4	445878.2	.0219	.0283
85.2 =	435215.2	420774.9	449655.4	424072.3	446358.0	.0218	.0283
85.3 =	435725.9	421326.1	450125.8	424614.3	446837.6	.0218	.0282
85.4 =	436236.8	421877.6	450595.9	425156.4	447317.1	.0217	.0281
85.5 =	436747.6	422429.3	451065.9	425698.8	447796.3	.0216	.0280
85.6 =	437258.4	422981.2	451535.6	426241.4	448275.4	.0216	.0279
85.7 =	437769.3	423533.4	452005.1	426784.1	448754.4	.0215	.0279
85.8 =	438280.0	424085.8	452474.3	427327.0	449233.1	.0214	.0278
85.9 =	438790.9	424638.4	452943.3	427870.1	449711.6	.0214	.0277
86.0 =	439301.7	425191.4	453412.1	428413.4	450190.0	.0213	.0276
86.1 =	439812.5	425744.4	453880.5	428956.8	450668.1	.0213	.0275
86.2 =	440323.3	426297.9	454348.8	429500.5	451146.1	.0212	.0275
86.3 =	440834.1	426851.4	454816.8	430044.3	451623.9	.0211	.0274
86.4 =	441344.9	427405.3	455284.5	430588.4	452101.5	.0211	.0273
86.5 =	441855.8	427959.4	455752.0	431132.6	452578.9	.0210	.0272
86.6 =	442366.6	428513.8	456219.3	431677.1	453056.1	.0209	.0271
86.7 =	442877.4	429068.4	456686.3	432221.7	453533.1	.0209	.0270
86.8 =	443388.2	429623.3	457153.0	432766.5	454009.9	.0208	.0269
86.9 =	443899.0	430178.5	457619.5	433311.5	454486.5	.0207	.0269
87.0 =	444409.9	430733.9	458085.8	433856.8	454962.9	.0207	.0268
87.1 =	444920.6	431289.6	458551.6	434402.2	455439.1	.0206	.0267
87.2 =	445431.5	431845.6	459017.3	434947.9	455915.1	.0205	.0266
87.3 =	445942.3	432401.8	459482.7	435493.7	456390.8	.0205	.0265
87.4 =	446453.1	432958.3	459947.9	436039.8	456866.4	.0204	.0264
87.5 =	446963.9	433515.1	460412.6	436586.1	457341.7	.0203	.0263
87.6 =	447474.7	434072.2	460877.3	437132.6	457816.8	.0202	.0262
87.7 =	447985.6	434629.5	461341.6	437679.3	458291.8	.0202	.0261
87.8 =	448496.3	435187.1	461805.5	438226.3	458766.4	.0201	.0261
87.9 =	449007.2	435745.1	462269.3	438773.4	459240.9	.0200	.0260
88.0 =	449518.1	436303.4	462732.7	439320.9	459715.2	.0200	.0259
88.1 =	450028.8	436861.8	463195.8	439868.4	460189.1	.0199	.0258
88.2 =	450539.7	437420.7	463658.6	440416.4	460662.9	.0198	.0257
88.3 =	451050.4	437979.8	464121.1	440964.4	461136.4	.0197	.0256
88.4 =	451561.3	438539.2	464583.3	441512.8	461609.8	.0197	.0255
88.5 =	452072.1	439098.9	465045.2	442061.3	462082.8	.0196	.0254
88.6 =	452582.9	439658.9	465506.8	442610.1	462555.6	.0195	.0253
88.7 =	453093.8	440219.4	465968.1	443159.2	463028.3	.0194	.0252
88.8 =	453604.5	440780.0	466428.9	443708.4	463500.5	.0194	.0251

88.9 =	454115.4	441341.1	466889.6	444258.0	463972.7	.0193	.0250
89.0 =	454626.2	441902.4	467349.9	444807.9	464444.5	.0192	.0249
89.1 =	455136.9	442464.0	467809.9	445357.8	464916.1	.0191	.0248
89.2 =	455647.8	443026.1	468269.6	445908.3	465387.4	.0191	.0247
89.3 =	456158.6	443588.3	468728.8	446458.8	465858.4	.0190	.0246
89.4 =	456669.4	444151.1	469187.8	447009.6	466329.3	.0189	.0245
89.5 =	457180.2	444714.1	469646.3	447560.7	466799.7	.0188	.0244
89.6 =	457691.1	445277.5	470104.6	448112.1	467270.0	.0188	.0243
89.7 =	458201.9	445841.3	470562.5	448663.8	467740.0	.0187	.0242
89.8 =	458712.6	446405.3	471019.9	449215.7	468209.6	.0186	.0241
89.9 =	459223.5	446969.9	471477.1	449767.9	468679.1	.0185	.0240
90.0 =	459734.4	447534.8	471933.9	450320.5	469148.2	.0184	.0239
90.1 =	460245.1	448099.9	472390.3	450873.3	469617.0	.0183	.0238
90.2 =	460756.0	448665.6	472846.4	451426.4	470085.6	.0183	.0237
90.3 =	461266.8	449231.5	473302.0	451979.7	470553.8	.0182	.0236
90.4 =	461777.6	449797.9	473757.3	452533.4	471021.7	.0181	.0235
90.5 =	462288.3	450364.6	474212.0	453087.4	471489.3	.0180	.0233
90.6 =	462799.2	450931.9	474666.5	453641.8	471956.6	.0179	.0232
90.7 =	463310.1	451499.5	475120.6	454196.4	472423.7	.0178	.0231
90.8 =	463820.8	452067.4	475574.2	454751.3	472890.3	.0178	.0230
90.9 =	464331.7	452635.9	476027.4	455306.6	473356.7	.0177	.0229
91.0 =	464842.5	453204.8	476480.2	455862.3	473822.8	.0176	.0228
91.1 =	465353.3	453774.1	476932.5	456418.2	474288.4	.0175	.0227
91.2 =	465864.1	454343.8	477384.4	456974.4	474753.8	.0174	.0226
91.3 =	466374.9	454914.0	477835.8	457531.0	475218.8	.0173	.0224
91.4 =	466885.8	455484.6	478286.9	458088.1	475683.4	.0172	.0223
91.5 =	467396.5	456055.7	478737.3	458645.3	476147.7	.0171	.0222
91.6 =	467907.4	456627.3	479187.4	459203.1	476611.6	.0170	.0221
91.7 =	468418.2	457199.3	479637.1	459761.1	477075.3	.0169	.0220
91.8 =	468929.0	457771.8	480086.1	460319.5	477538.4	.0169	.0218
91.9 =	469439.8	458344.9	480534.8	460878.4	478001.3	.0168	.0217
92.0 =	469950.7	458918.4	480982.9	461437.6	478463.7	.0167	.0216
92.1 =	470461.4	459492.4	481430.4	461997.1	478925.7	.0166	.0215
92.2 =	470972.3	460067.0	481877.6	462557.2	479387.4	.0165	.0213
92.3 =	471483.1	460642.0	482324.1	463117.6	479848.6	.0164	.0212
92.4 =	471993.9	461217.6	482770.1	463678.4	480309.4	.0163	.0211
92.5 =	472504.7	461793.8	483215.6	464239.6	480769.8	.0162	.0210
92.6 =	473015.5	462370.5	483660.5	464801.3	481229.8	.0161	.0208
92.7 =	473526.4	462947.8	484104.9	465363.4	481689.3	.0160	.0207
92.8 =	474037.1	463525.6	484548.6	465925.9	482148.4	.0159	.0206
92.9 =	474548.0	464104.1	484991.8	466488.9	482607.0	.0158	.0204
93.0 =	475058.8	464683.2	485434.4	467052.4	483065.2	.0157	.0203
93.1 =	475569.6	465262.8	485876.4	467616.3	483522.9	.0156	.0202
93.2 =	476080.4	465843.1	486317.8	468180.8	483980.1	.0155	.0200
93.3 =	476591.3	466423.9	486758.4	468745.6	484436.8	.0154	.0199
93.4 =	477102.1	467005.6	487198.5	469311.1	484893.0	.0153	.0198
93.5 =	477612.8	467587.8	487637.9	469876.9	485348.7	.0151	.0196
93.6 =	478123.7	468170.7	488076.6	470443.4	485803.9	.0150	.0195
93.7 =	478634.5	468754.3	488514.7	471010.4	486258.6	.0149	.0193
93.8 =	479145.3	469338.6	488952.0	471577.9	486712.6	.0148	.0192
93.9 =	479656.1	469923.7	489388.6	472146.1	487166.2	.0147	.0191
94.0 =	480167.0	470509.5	489824.4	472714.8	487619.2	.0146	.0189
94.1 =	480677.8	471096.0	490259.5	473283.9	488071.6	.0145	.0188
94.2 =	481188.6	471683.3	490693.9	473853.8	488523.3	.0144	.0186
94.3 =	481699.4	472271.4	491127.3	474424.3	488974.5	.0142	.0185
94.4 =	482210.2	472860.3	491560.1	474995.4	489425.1	.0141	.0183
94.5 =	482721.0	473450.1	491991.9	475567.1	489874.9	.0140	.0181
94.6 =	483231.8	474040.8	492422.9	476139.5	490324.2	.0139	.0180
94.7 =	483742.7	474632.3	492853.1	476712.6	490772.8	.0138	.0178
94.8 =	484253.4	475224.6	493282.3	477286.3	491220.6	.0136	.0177

94.9 =	484764.3	475818.0	493710.6	477860.9	491667.8	.0135	.0175
95.0 =	485275.2	476412.3	494137.9	478436.1	492114.2	.0134	.0174
95.1 =	485785.9	477007.6	494564.3	479012.1	492559.8	.0133	.0172
95.2 =	486296.8	477603.9	494989.6	479588.9	493004.6	.0131	.0170
95.3 =	486807.5	478201.1	495413.9	480166.4	493448.7	.0130	.0168
95.4 =	487318.4	478799.6	495837.2	480744.8	493891.9	.0129	.0167
95.5 =	487829.1	479399.0	496259.3	481324.0	494334.3	.0127	.0165
95.6 =	488340.0	479999.7	496680.3	481904.2	494775.8	.0126	.0163
95.7 =	488850.9	480601.6	497100.1	482485.3	495216.4	.0125	.0161
95.8 =	489361.6	481204.6	497518.6	483067.2	495656.0	.0123	.0160
95.9 =	489872.5	481808.9	497936.0	483650.2	496094.8	.0122	.0158
96.0 =	490383.3	482414.6	498352.1	484234.2	496532.4	.0120	.0156
96.1 =	490894.1	483021.5	498766.7	484819.2	496969.0	.0119	.0154
96.2 =	491404.9	483629.9	499180.0	485405.3	497404.6	.0117	.0152
96.3 =	491915.7	484239.6	499591.8	485992.4	497838.9	.0116	.0150
96.4 =	492426.6	484851.0	500002.1	486580.9	498272.3	.0114	.0148
96.5 =	492937.3	485463.8	500410.8	487170.4	498704.3	.0113	.0146
96.6 =	493448.2	486078.4	500817.9	487761.3	499135.1	.0111	.0144
96.7 =	493959.0	486694.7	501223.3	488353.5	499564.5	.0110	.0142
96.8 =	494469.8	487312.7	501626.9	488947.0	499992.6	.0108	.0140
96.9 =	494980.6	487932.6	502028.7	489542.0	500419.3	.0106	.0138
97.0 =	495491.5	488554.4	502428.4	490138.5	500844.4	.0105	.0136
97.1 =	496002.3	489178.3	502826.2	490736.6	501267.9	.0103	.0134
97.2 =	496513.1	489804.4	503221.8	491336.3	501689.9	.0101	.0131
97.3 =	497023.9	490432.7	503615.1	491937.8	502109.9	.0100	.0129
97.4 =	497534.7	491063.4	504006.0	492541.1	502528.3	.0098	.0127
97.5 =	498045.5	491696.6	504394.4	493146.3	502944.6	.0096	.0124
97.6 =	498556.3	492332.5	504780.1	493753.7	503358.9	.0094	.0122
97.7 =	499067.2	492971.3	505163.0	494363.3	503771.1	.0092	.0119
97.8 =	499577.9	493613.0	505542.9	494975.1	504180.8	.0090	.0117
97.9 =	500088.8	494258.0	505919.6	495589.4	504588.1	.0088	.0114
98.0 =	500599.6	494906.4	506292.8	496206.5	504992.8	.0086	.0111
98.1 =	501110.4	495558.6	506662.3	496826.3	505394.5	.0084	.0109
98.2 =	501621.3	496214.7	507027.8	497449.3	505793.2	.0082	.0106
98.3 =	502132.0	496875.1	507388.9	498075.6	506188.5	.0079	.0103
98.4 =	502642.9	497540.3	507745.4	498705.5	506580.2	.0077	.0100
98.5 =	503153.6	498210.6	508096.6	499339.4	506967.9	.0075	.0097
98.6 =	503664.5	498886.7	508442.3	499977.7	507351.3	.0072	.0094
98.7 =	504175.3	499568.9	508781.6	500620.8	507729.8	.0070	.0090
98.8 =	504686.1	500258.2	509114.0	501269.3	508102.9	.0067	.0087
98.9 =	505196.9	500955.4	509438.4	501923.9	508469.9	.0064	.0083
99.0 =	505707.8	501661.6	509753.9	502585.6	508830.0	.0061	.0079
99.1 =	506218.6	502378.1	510059.0	503255.1	509182.1	.0058	.0075
99.2 =	506729.4	503106.8	510352.1	503933.9	509524.8	.0055	.0071
99.3 =	507240.2	503849.8	510630.6	504623.9	509856.4	.0051	.0066
99.4 =	507751.0	504610.6	510891.5	505327.6	510174.4	.0047	.0061
99.5 =	508261.8	505393.4	511129.7	506048.4	510475.1	.0043	.0056
99.6 =	508772.6	506205.8	511339.2	506791.9	510753.3	.0039	.0050
99.7 =	509283.5	507059.4	511507.3	507567.3	510999.6	.0034	.0044
99.8 =	509794.3	507977.4	511611.0	508392.3	511195.9	.0027	.0036
99.9 =	510305.1	509019.7	511590.1	509313.3	511296.8	.0019	.0025
100.0 =	510816.0	510816.0	510816.0	510816.0	510816.0	.0000	.0000